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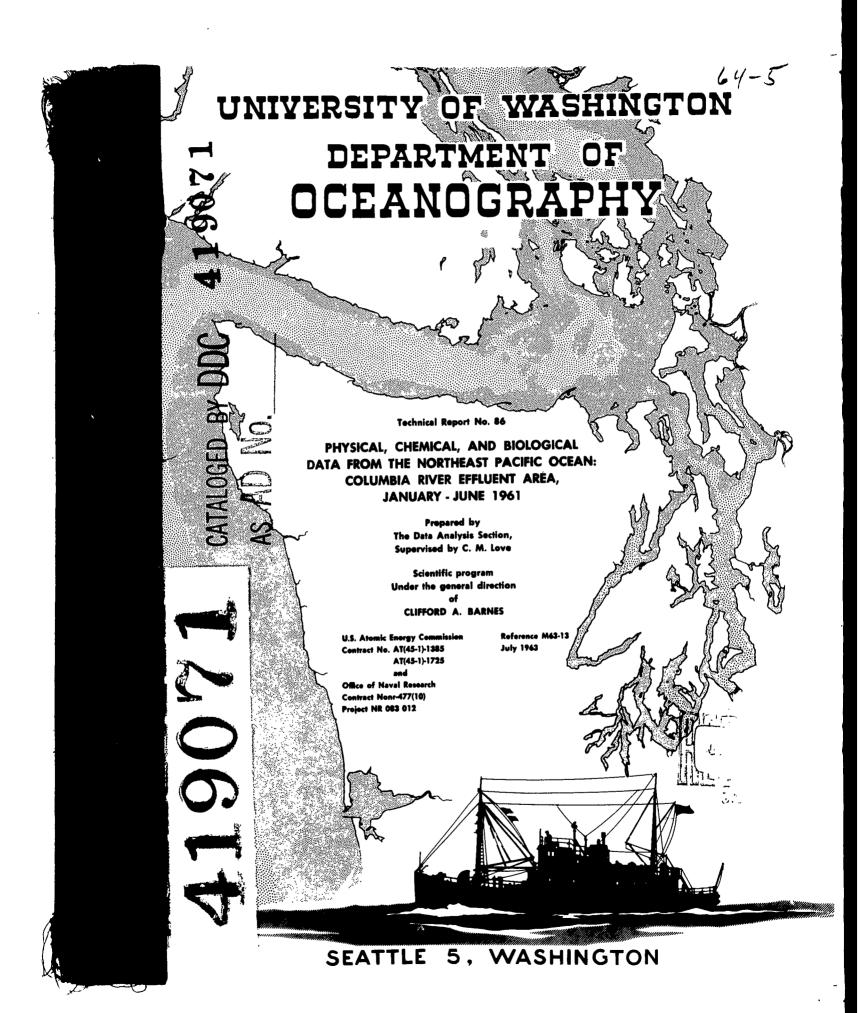
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#### UNIVERSITY OF WASHINGTON DEPARTMENT OF OCEANOGRAPHY Seattle 5, Washington

Technical Report No. 86

PHYSICAL, CHEMICAL AND BIOLOGICAL DATA

FROM THE NORTHEAST PACIFIC OCEAN:

COLUMBIA RIVER EFFLUENT AREA,

JANUARY - JUNE 1961

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Scientific program

Under the general direction of

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and

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Reference M63-13 July 1963

RICHARD H. FLE

Chairman

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#### INTRODUCTION

This report contains oceanographic data collected on five offshore cruises of Research Vessel Brown Bear during the months of January to June, 1961. The cruises presented are numbers 275, 280, 282, 287 and 288, which were the first cruises of a series designed to provide data for a year-round study of the water characteristics along the Washington-Oregon coast with special emphasis on the fresh water entering the system from the Columbia River. The objectives of this study are to determine the gross features of the movement and dispersion of Columbia River effluent water in the open sea off the mouth of the river and along the adjacent coast, and ultimately to ascertain the probable fate of any radioactive material that might be associated with the effluent or with river-borne materials. Funds for this investigation are being provided by the United States Atomic Energy Commission under Contracts No. AT (45-1)-1385 and AT (45-1)-1725 and by the United States Office of Naval Research Contract Nonr-477(10), Project NR 083-012.

#### Vessel Operation and Types of Observations

The <u>Brown Bear</u> is based in Seattle, and all of the cruises described herein departed from and returned to that port.

Cruises 275, 280 and 287 were primarily for the purpose of obtaining physical, chemical and productivity data and zooplankton specimens in the area under study. Cruise 282 was a quick trip offshore to moor an experimental buoy on Cobb Seamount, but six oceanographic stations were also occupied. Cruise 288 served a dual purpose of collecting oceanographic data and providing instruction at sea for University of Washington students enrolled in the Summer Session course entitled "Field Experience in Oceanography". Figures 1-5 show the cruise tracks and station locations for the various cruises. Preliminary reports describing the work carried out have been issued for certain of these cruises (Love and Anderson, 1961, Lincoln and Dawson, 1961, Collias, 1961).

Temperature, salinity and dissolved oxygen were determined at all oceanographic stations. Productivity and chlorophyll measurements were obtained at 75 per cent of the oceanographic stations and at some additional "productivity only" stations. On most cruises these "productivity only" stations were designated by a number and a letter, such as 10-A, 12-D, etc. At 44 per cent of the stations, additional water samples were drawn for "special chemistry" analyses; namely, phosphate, silicate and nitrate.

In addition to the above mentioned data which are tabulated in this report, several other types of collections and observations were made during these cruises. On all cruises except 282, horizontal tows with Clarke-Pumpus samplers were made for collection of zooplankton samples. Such tows were usually made from four different depths in the upper 100 meters twice a day. The salinity-temperature deviation recorder was in continuous use during all of the cruises except 282. This instrument makes continuous recordings of the deviations of temperature and salinity of the near-surface water from selected base values. The water sampled is pumped through a sea water intake located in the ship's side, approximately eight feet below the water line. Other routine observations were mechanical bathythermograph and/or electronic bathythermometer

lowerings at each station, and the lowering of a 12-inch (30.5 cm) Secchi disc at each daylight station where productivity measurements were made. Underway bathythermograph lowerings were made during some cruises. On all cruises except 282, continuous measurements and recordings of solar radiation were made.

Zooplankton and water samples were collected on behalf of the Laboratory of Radiation Biology, University of Washington. The zooplankton samples were collected with half-meter nets, using horizontal or oblique tows. The water samples were five gallons each and collected from the surface and/or near the bottom, usually at stations near the mouth of the Columbia River. The water and plankton samples were analyzed by the Laboratory of Radiation Biology for the amounts of certain gamma-emitting radionuclides present,  $\rm Zn^{65}$ ,  $\rm Cr^{51}$ ,  $\rm P^{32}$ ,  $\rm Np^{239}$ , and  $\rm K^{liO}$ . Gross beta-ray counts were also made on the samples.

During Cruise 288, gravity cores were obtained at five stations and 18 mid-water trawl samples were collected.

#### Collection of Samples

There was no fixed sequence of station operations during these cruises. However, a typical order of procedure was as follows: deep oceanographic cast, one or two casts for chlorophyll and productivity samples, shallow oceanographic cast, two Clarke-Bumpus tows. Lowerings of the electronic bathythermometer and/or mechanical bathythermograph were made while the bottles and attached thermometers were coming to equilibrium on the deep and shallow casts.

Nansen bottles were used to obtain the water samples for salinity and oxygen analyses. Chlorophyll and productivity samples were collected with modified Van Dorn plastic samplers (Van Dorn, 1957). Some of the special chemistry samples were obtained from the Nansen bottle casts whereas others were taken from the plastic samplers. An indicator column in the data tables tells which sampler was used.

In general, two different schemes of sampling depths were used. At stations near shore or in the vicinity of the low salinity water from the Columbia River, or other sources, the Nansen bottles were more closely spaced than usual in the upper 100 meters to pick up details of the salinity structure. The sampling depths used in these cases were 0, 3, 6, 10, 15, 20, 25, 30, 40, 60, 80, and 100 meters. At other locations fewer bottles were used in the upper layer.

The sampling depths for chlorophyll and productivity samples corresponded to 100, 50, 10 and 1 per cent of surface illumination. These depths were computed from extinction coefficients as obtained from Secchi disc measurements using the formula  $K = \frac{1.7}{SECDT}$  where K is the extinction

coefficient and SECDI is the depth in meters to which the Secchi disc could be seen (Poole and Atkins, 1929).

#### Determination and Accuracy of Properties

Two protected reversing thermometers were used on each Nansen bottle. In addition, except on Cruise 288, the bottom seven or eight bottles each carried one unprotected reversing thermometer. This arrangement provided that on deep casts (usually 200 meters and deeper) all the bottles carried an unprotected thermometer, and that on shallow casts, usually all bottles at 125 meters or deeper also carried unprotected thermometers. On Cruise 288 the thermometer arrangement was somewhat different, and two of the bottles normally used on the deep cast did not carry unprotected thermometers.

The temperatures shown are in most cases the average of two protected thermometer readings after application of the usual expansion and index corrections. A study was made to determine the extent of agreement within the pairs of corrected thermometer readings recorded during these five cruises. Based on the total number of pairs of readings for all these cruises, the following table shows the percentage of cases where the value tabulated in the "Temperature" column of the station data is the average of two readings that differed by 0-0.05°C, by 0.06-0.10°C, or by more than 0.10°C, and also the percentage of cases where the temperature is based on one thermometer reading only, due to thermometer malfunction or other causes:

	rence between protecter termometer readings	eted	One thermometer reading only	
0 - 0.05° 92.3%	0.06° - 0.10° 3.4 <b>%</b>	>0.10° 0.8%	3.4%	

The depths of subsurface observations were calculated from measured wire angles; from readings of unprotected reversing thermometers; and from smoothed curves of wire length minus thermometric depth (L-Z) versus wire length (L), the difference method described by LaFond (1951).

The salinity determinations were run with the University of Washington salinometer (Paquette, 1958). Some were run aboard ship and some ashore, as follows: Cruises 275 and 280, partly aboard ship and partly ashore; Cruises 282 and 287, all run ashore; Cruise 288, all run aboard ship. The values obtained have a reproducibility of  $\pm$  0.004 % oo salinity at the 95 per cent probability level and a probable accuracy of  $\pm$  0.01 % oo salinity or better at the same level of probability.

Dissolved oxygen was obtained by the modified Winkler method described by Thompson and Robinson (1939). All the analyses were run aboard ship.

Phosphate values were obtained by the method of Wooster and Rakestraw (1951), except that the color intensities were measured with a Beckman spectrophotometer model DU, and a constant temperature bath set at 27° Celsius was used to bring all samples and standards to the same temperature. The water samples were obtained from frozen samples on all cruises except Cruise 288, these were run both aboard ship and ashore.

Silicate values were obtained by the molybdenum blue method of Mullin and Riley (1955a), except that sodium silicofluoride was used to prepare the standard solutions. All analyses for silicate were run ashore using water from the frozen samples.

Nitrate values were obtained using the method of Mullin and Riley (1955b) with a few minor changes in the procedure of addition of reagents. All analyses were run ashore using water from frozen samples.

The chlorophyll samples were analyzed according to the method of Richards with Thompson (1952) as modified for use with the Millipore filter (Creitz and Richards, 1955). A turbidity correction was made by subtracting the extinction at 7500 Å from spectrophotometer readings at other wave lengths (Strickland and Parsons, 1960). The error in the technique is reported to be about + 5%. An IBM machine was used to process the data.

The radiocarbon method was used for productivity measurements (Steemann Nielsen, 1952). The error in the method is about + 10% (Strickland and Parsons, loc. cit.). Approximately 2.5 microcuries of radioactive carbonate  $C^{1140}$  were added to sea water samples in 125 ml light and dark pyrex reagent bottles. Incubator measurements were made under constant illumination of about 800 foot-candles, using a bank of "Cool-White" fluorescent lights. Temperature was controlled with running surface sea water. After three to six hours of incubation, the samples were filtered on PH Millipore filters (0.3 + 0.02 M) and stored over silica gel. Simulated in situ measurements were generally made twice daily, at dawn and at noon. Samples were incubated in a topside deck incubator exposed to full sunlight illumination. Kodak Wratten neutral density filters were used to simulate conditions of 50, 10 and 1 per cent of surface illumination. Temperature was controlled by running surface sea water. Periods of incubation were either from sunrise to noon or noon to sunset. Usually, only a surface sample was incubated during the sunrise to noon period.

In the laboratory, the filters retaining the C 14 were fumed with concentrated HCl for 10-15 minutes to remove traces of inorganic C 14. Geiger counting equipment consisted of a Nuclear-Chicago Model D-47 gas flow counter with micromil window, 161-A scaler, C-110 automatic sample changer and C-111B printing timer. Each sample was counted until a minimum number of 1280 total counts was obtained. IBM processing of the data included corrections for background, dark bottle uptake, variations in inorganic carbon content of sea water, coincidence, and isotope effect (5%).

The following quantities were computed with the IBM 709 Data Processing System at the Research Computer Laboratory of the University of Washington: the interpolated values of temperature, salinity, and oxygen at standard oceanographic depths; the interpolation error for each of the above quantities; the density of sea water at atmospheric pressure as sigma-t ( $\sigma_t$ ), for interpolated values; the specific volume anomaly ( $10^{-5}$ ); and the geopotential anomaly ( $10^{-5}$ ). Sigma-t for observed values was computed on the IBM 650 Magnetic Drum Data Processing Machine. Programs developed at the Department of Oceanography were used. The interpolation program is based on two three-point Lagrange parabolic interpolation polynomials (Buckingham, 1957). This interpolation scheme yields two estimates

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of the interpolated value of a property at each standard depth. The first polynomial makes use of two observed values from depths above the desired standard depth and one value from a depth below; the second polynomial uses one value above and two below. The resulting interpolated value is the numerical average of the two estimates. The error of interpolation is equal to the difference in magnitude between the two Lagrange interpolation polynomials times a factor depending on the third derivatives. This factor is given the value 0.33 in this computer program. The derivation of the error term is given by Buckingham (1957). A discussion of this system of interpolation and error determination and a derivation of the value 0.33 for the factor is given by Rattray (1962). The equations for sigma-t were taken from LaFond (1951), and the equations for specific volume anomaly and geopotential anomaly were those used by the U. S. Navy Hydrographic Office, 1955b). With a few local exceptions, the procedures described in H. O. Special Publication No. 12, Part III (U. S. Navy Hydrographic Office, 1960) were used for coding and punching the data on IBM cards.

The interpolation program formerly used by this Department made use of only one three-point interpolation. This occasionally led to incorrect machine-interpolated values at certain standard depths, especially if the distribution of observed values was not adequate to properly define the curve in that region. The use of two interpolation polynomials in the new computer program substantially reduces the chance of obtaining such incorrect values. Furthermore, the magnitude of the error terms may be taken by the reader as an indication of whether the arrangement of sampling depths used was adequate to portray the vertical distribution in sufficient detail.

The geographical positions are based on navigational fixes obtained by the watch officers of the Brown Bear. At locations within 18 miles of shore, the fix was usually obtained from radar ranges and bearings; beyond that distance Loran was used. In the area in which these cruises operated the error of Loran fixes is considered not to exceed one mile. In most cases a fix was obtained immediately upon arrival on station, and another obtained prior to departure from station. Occasionally one or more fixes were also obtained at intermediate times while on station. The positions reported herein are usually "mean" positions, determined graphically, lying between the arrival and departure fixes, and taking into account any intermediate fixes obtained.

#### Miscellaneous Comments

The station numbers used on Brown Bear cruises consist of two parts: the cruise number, a dash, then a number representing the consecutive number of the station within the cruise, viz., 275-1, 275-2, etc. By the use of this system, each station of each cruise is uniquely identified.

The data tables contain a few apparently anomalous values of various properties which do not fit on a smooth curve of the particular property versus depth. These questionable values are marked with an asterisk (\*). They have been checked to the extent that existing original data sheets, work sheets, and other information will allow and cannot be proved incorrect.

## Recent University of Washington Publications Containing Offshore

# Oceanographic Data

This list continues the one presented in Technical Report No. 66.

Report No.	Reference No.	Contains Data Collected
Technical Report No. 66	60-18	Northeast Pacific, April 1956 to April 1958
Technical Report No. 69	M61-24	Chukchi and Bering Seas, Summers of 1959, 1960

# Personnel

# AT SEA

The following persons were members of the scientific staff on one or more of these cruises. Unless otherwise noted, all personnel are staff members or students in the Department of Oceanography.

Name	Title or Organization	Cruise No.
Almasi, Michael	Electronics Engineer	282
Andersen, Norman K.	Research Assistant	288
Anderson, Dr. George C.	Research Assistant Professor	275, 280
Barton, Ralph F.	Marine Aide	288
Beamish, Neil E.	Marine Aide	2 <b>75,</b> 280
Broenkow, William W.	Research Assistant	288
Coachman, Lawrence K.	Predoctoral Associate	280
*Collias, Eugene E.	Senior Oceanographer	288
Connolly, Joel I.	Marine Technician	275, 287
Dawson, William A.	Research Instructor	287
*Dermody, John	Senior Oceanographer	280
Falls, Paul	Research Assistant	288
Goff, William J.	Research Assistant	288
Griswold, Charles E.	Marine Technician	275, 280, 287
Gucluer, Lt. Sevket M.		288
Henifin, Lt. Edward E.	Student	288
Henson, Fred D.	Senior Marine Technician	280
Hobson, Louis A.	Research Assistant	275
Hopkins, Robert S.	Marine Technician	287, 288
Horner, Rita A.	Assistant Oceanographer	<b>275, 2</b> 80
Hulbert, David W.	Marine Technician	275
Johnston, Allan H.	Marine Aide	288
Jossi, Jack W.	Research Assistant	288
Kral, Lt. Anthony J.	Student	288
*Lincoln, John H.	Senior Oceanographer	287
Loskota, Anthony R.	Oregon State University	280

*Love, Cuthbert M.	Senior Oceanographer	275
Miller, Donald A.	Marine Technician	287
*Morse, Betty-Ann	Assistant Oceanographer	275, 280, 282
Olofson, Clifford	Marine Technician	287
Overstreet, Roy	Teaching Assistant	288
Raiche, John G.	Marine Technician	28 2
Rao, Ramana K.	Research Assistant	288
Reynolds, Betty R.	Laboratory Assistant	280
Richards, Dr. Francis A.	Associate Professor	288
Roberts, Kenneth E.	Marine Technician	287
Semon, Darrelyn	Assistant Oceanographer	275, 280, 287, 288
Stevens, John W.	Assistant Oceanographer	288
Sweetland, Russell F.	Marine Technician	<b>275, 280, 287</b>
Sykes, Lt. Lewis B.	Student	288
Syrotuck, William G.	Electronic Technician	282
Wiegand, Allen P.	Student Helper	275

The Brown Bear was under the command of Captain Franklin W. Princehouse.

# **ASHORE**

The following persons, as well as some of the sea-going personnel, were engaged ashore in the analyses and preparation of these data for publication:

Aagaard, Knut Corr, Michael Edenso, Jim Garnjobst, Joan M. King, Alma R. Lightwood, Keith G. Long, Linda K. Melton, Robert J.

Milne, David H.
Nigro, Nicholas D.
Riley, Ralph W.
Rona, Monique R.
Shafer, Thayer C.
Van Dvke, Craig
Wallin, Marsha M.

Research Assistant
Marine Aide
Tab Machine Operator
Marine Aide
Secretary-Typist
Assistant Engineer
Laboratory Technician
Marine Aide

Research Assistant
Marine Technician
Marine Chemist
Programmer
Research Assistant
Marine Aide
Keypunch Operator

<sup>\*</sup>Indicates cruise leader (Party Chief)

#### EXPLANATION OF DATA TABLES

The information in the data tables was transcribed directly from IBM cards using an IBM Type 407 accounting machine. A blank space in the tables or headings indicates that no observation was taken. The original data and the interpolated and computed values punched on the cards were recorded or coded in accordance with the procedures used by the U. S. Navy Hydrographic Office (1960). The codes used to describe weather and sea conditions, etc., will be found in H. O. Publication No. 606-C (U. S. Navy Hydrographic Office, 1956) and H. O. Publication No. 607 (U. S. Navy Hydrographic Office, 1955a). Some changes were made in the card form but these do not affect the arrangement of the data in this report. Abbreviations and column headings are described below and, where necessary, the Hydrographic Office numerical codes have been reproduced to aid in interpreting the data.

## Abbreviations and Headings Used in Data Tables

DATE Greenwich month/day/year

HR (Hour) Greenwich mean time to the nearest hour of the

messenger drop on the shallow cast. If the messenger drop occurred at exactly 30 minutes after the hour, the time was rounded to the

nearest even hour.

LAT (Latitude) In degrees and minutes

LONG (Longitude) In degrees and minutes

SDG (Depth of water) Depth of water in meters at the station as

determined by the ship's echo sounder. This depth was generally recorded immediately after

the ship arrived on station.

WEA (Weather) State of the weather. See code, page 13.

SECDI Depth in meters to which a 12-inch (30.5 cm)

(Water transparency) Secchi disc could be seen on daylight stations.

BA To obtain the barometric pressure in millibars, add

(Barometric pressure) 900 if this number is above 50; add 1000 if below 50.

(Cloud type and cloud cover)

Cloud type, see code, pages 11 and 12.

Cloud cover, see code, page 12.

DRY

(Air temperature, dry bulb) In degrees Celsius

WET

(Air temperature, wet bulb) In degrees Celsius

RELHU (Relative humidity) Expressed in per cent

VIS (Visibility)

Range of visibility. See code, page 12.

SEA DIR State of the sea, see code, page 12. Direction (Sea state and direction) from which sea was coming, see code, page 12.

SWL DIR (Swell amount and direction) Height and wave length of swell, see code, page 14. Direction from which swell was coming, see code, page 12.

BTMCODE (Bottom type) See

type) See code, page 14.

WA (Wire angle)

In degrees. Wire angles are tabulated only for those casts whose numbers appear in the "Cast" column at the left of the page, i.e., casts from which data were obtained. The first number is the wire angle for Cast 1, or the lowest numbered cast appearing, the second for Cast 2, etc. Dashes (---) indicate the wire angle was not recorded for that cast.

CAST

Cast number

DEPTH

Depth in meters from which sample was obtained.

TEMP (Temperature)

In degrees Celsius

SAI (Salinity)

In parts per thousand (0/00).

Sigma-T  $(\sigma_t)$ 

An expression for the density of sea water at atmospheric pressure, having the indicated temperature and salinity. To convert sigma-t values to density, divide by 1000 and add 1;

thus sigma-t 22.42 = density 1.02242.

OXY (Dissolved oxygen) In milliliters per liter (ml/1).

PHOS (Phosphate-phosphorus) In microgram-atoms per liter (Mg-at/1)

SIL (Silicate-silicon) In microgram-atoms per liter (ug-at/l)

NITR (Nitrate-nitrogen) In microgram-atoms per liter (ug-at/1)

CHL-A (Chlorophyll a) In milligrams per cubic meter

PROD-I (Incubator productivity) Expressed as milligrams carbon assimilated per cubic meter per hour.

PROD-S (Simulated in <u>situ</u> productivity) Expressed as milligrams carbon assimilated per cubic meter per day.

SP VOL ANOMALY (Specific volume anomaly,  $10^5 \delta$ )

The anomaly of specific volume of water at the indicated temperature, salinity, and pressure compared to a standard water of 0°C temperature and 35 °/oo salinity at the same pressure. (The depth in meters is taken as numerically equal to the pressure in decibars.) Tabular values multiplied by 10-5 will give the anomaly in units of cubic centimeters per gram.

GEOPOT ANOMALY (Geopotential anomaly,  $\Sigma \Delta D$ )

Geopotential anomaly in dynamic meters of the layer of water between the surface and the indicated depth. (The depth in meters is taken as numerically equal to the pressure in decibars.)

E(T)
(Temperature interpolation error)

Interpolation error, in degrees Celsius, of the temperature value at this depth. For a discussion of the interpolation error, see page 5. Dashes (---) in this column indicate that the interpolated value at this depth is based on one interpolation polynomial only and therefore the error could not be determined. A blank space in this column indicates no interpolation was made because the observed depth corresponded to the desired standard depth.

E(S)
(Salinity interpolation error)

Interpolation error, in parts per thousand, of the salinity value at this depth. See comments under E(T) above.

E(0)
(Oxygen interpolation error)

Interpolation error, in milliliters per liter, of the oxygen value at this depth. See comments under E(T) above.

A,C,E,P,M

"Indicator" letters which have the meanings defined below.

Α

All of the observed values at this depth were obtained from the productivity cast, using modified Van Dorn plastic samplers. See page 2.

C

Special chemistry values (phosphate, silicate and nitrate) at this depth, as well as chlorophyll and productivity values were obtained from the productivity cast. All other values are from the Nansen bottle cast.

Chlorophyll and productivity values and special chemistry values, except phosphate, at this depth were obtained from the productivity cast. Phosphate and all other values are from the Nansen bottle cast. (This situation occurs only on four stations of Cruise 280.)

Only the chlorophyll and productivity values at this depth were obtained from the productivity cast. All other values are from the Nansen bottle cast.

No indicator letter Indicates all values at that depth are from the Nansen (observed values) bottle cast.

The interpolated values at this depth are based on observed values from more than one cast (casts were "mixed").

See WA (wire angle) or E(T), (Temperature interpolation error) for the meaning of dashes in these or other columns.

Indicates a questionable value. See page 5.

#### Codes Used for Reporting Observations

Taken from U. S. Navy Hydrographic Office Publication No. 606-C, "Hydrographic Office Observers Manual, Bathythermograph Observations" and U. S. Navy Hydrographic Office Publication No. 607, "Instruction Manual for Oceanographic Observations".

# Cloud Type

#### Code

- O Stratus or fractostratus
- l Cirrus
- 2 Cirrostratus
- 3 Cirrocumulus
- 4 Altocumulus
- 5 Altostratus
- 6 Stratocumulus
- 7 Nimbostratus
- 8 Cumulus or fractocumulus
- 9 Cumulonimbus
- X Cloud not visible owing to darkness, fog, duststorm, sandstorm, or other analogous phenomena.

# Amount of Cloud Cover (WMO Code 60)

#### Code

0	No clouds
1	Less than 1/10, or 1/10
2	2/10 and 3/10
3	4/10
3456	5/10
Š	6/10
6	7/10 and 8/10
7	9/10 and 9/10 plus
8	10/10

Sky obscured

# **Visibility**

Code	Description	Objects not visible at:
0	Dense fog	50 yardş
1	Thick fog	200 yards
2	Fog	400 yards
3	Moderate fog	1000 yards
4	Thin fog or mist	l mile
5	Visibility poor	2 miles
6	Visibility moderate	5 miles
?	Visibility good	10 miles
8	Visibility very good	30 miles
9	Visibility excellent	over 30 miles

# Direction (Compass Direction from which Wind, Sea, or Swell is coming)

#### Code

OC Calm, or no value
Ol to 36 Each value represents 1/10 of the true direction in degrees,
measured clockwise from the north, with 36 representing true
north.

# State of Sea - Wind Waves (WMO Code 75)

Code	Description	Height (Feet)
0	Calm (Glassy)	0
1	Calm (Rippled	0 - 1/3
2	Smooth (Wavelets)	1/3 - 1 2/3
3	Slight	12/3 - 4
4	Moderate	1 - 8
5	Rough	8 - 13
6	Very Rough	13 - 20
7	High	20 - 30
8	Very High	30 - 45
9	Phenomenal	over 45

Note: The bounding height is to be assigned to the lower code, that is, a height of 4 feet is coded as 3.

<u></u>	<del></del>	<u> </u>	<u>;</u> T	<u> </u>	Ę	ž,	į	2552	Ég
Outstand of said storm within tage of or at statem within tage of or at statem during past mour.	Funnel cloudis) with in sight during past hour.	Thunderstorn (with for without precipits about MOT at time of descriptions) during past four.	Heavy	49 Fat. separating rims sky not discernible.	59 Drizzie and ra moderate or heavy.	Rain or druzte and snow, moderate or	79 Ice pellets (steet. U. S. definition).	Slight shower(s) of had, with or without hand or shoul memory of associated with thurider.	Heavy flunderstorm with hall at time of observation.
sad u	18 Squal(s) within sight during past hour.	28 For during past hour ut NOT at time of bear atton.	derate	1	Drizzie and rain.	68 Ren or druzte and snow, stepti.	78 Isolobel started snow crystals (with or without fog).	Moderate or heavy homer(s) of soft or hall had with or with now mised.	Thunderstorm com- bined with duststorm or sandstorm at time of observation.
NT WEA O7 Dust of und resed	Thurder heard, but no preceptation at the distant.	Showers of had, or of sed and rem, during ast hour, but NOT at me of observation.	a puode	Fog. sky NOT discentate has been been been during part hour.	57 Madeiate or thick frames death.	Moderate or heavy	Crander snew (with or without fog).	87 Sight shown(s) of set or small had with or without rain or rain and snew missed.	Heavy thunderstorm. without hai. but with ren and/or snow at time of observation.
S—PRESE Manage of the 2-b Manage of the 2-b Mana	Frecipitation within 12ht, reaching them pound, near to burst 40T at stellon.	1000	enerate	46 fag, say descended that began or become histor during par-	56 Super freezing druzte.	Sept framershin.	76 Ice needles (with or without fag).	86 Moderate or heavy annus shower(s).	Slight or modrate hunderstorm, with had it time of observation.
CODES	President within Presidents within great, see hing the light, see hing the light, see hing the first form there.	Shewar of ran during part hour. but NOI ht time of observation	Sever dustilorm or andstorm, has in- reased during past	45 Feg. sky NOT discen- tale ne appreciable change during pass	Continuous dratte (NOT fraced). Thick at time of observation.	65 Contanuas rain (NOT freezing), heary at time of observation.	Continuous fell of mental of the continuous fell of the continuous f	85 Earl over shear(s)	Sight or mod. thus contains and/or an and/or an and/or assertance at time of assertance.
WEATHER	Pracipitation within agent but NoT reaching to the ground.	24 Fracting dizzle of treating distribution (Marine and hour, but NOT at time of electrolism.	34 Sector determ of Machine during part	Fee sky december.	Intermitted drizzle (NOT Prescript, Thirt at time of observation.	Intermittent zein (red' frezing), bestry at time of exerceton.	14 Intermitant fall of grantfalls, front of time of description.	B4 Maderate or heavy streem mised.	Med. or heavy steel, or had at time of et- thursdood with the four-time of et- time of ete-refield.
NUMERICAL V	Lighting Control of the Control of t	velen.	SS Sanditorn, has do:	43 for any NOT decom- th-ing become thin at during past hour.	Continuous strizzio GOT francisco strizzio an at tono of ch.	63 Commune rain (NOT	Continue of secretary	B3 Bark show(s) of and and answ mass.	CO. Section of the control of the co
NON SALES	12		32	42	52 Intermittent driggs of fracing meet	62 Internation rain and females.	72	82 Violent rain shew-	92
0	Partner of the partne	Solution of the state of the st	36	74 in parties.	St Continuos drizzio (1007 francog sage al	Continues rate (NOT	Continuous fall of	Maderille of heavy	
8	2		8	9	00	9	2	BOX Dan stems(s).	06

#### Swell Conditions

Code	Approx. Height in Feet		Description	Approx. Length in Feet
0	0	No swell		0
1 2	1 - 6	Low swell	Short or average Long	0 - 600 Above 600
3 4 5	6 - 12	Moderate	Short Average Long	0 - 300 300 - 600 Above 600
6 7 8	Greater than 12	High	Short Average Long	0 - 300 300 - 600 Above 600
9		Confused		

#### Bottom Type

Code	
0	Not otherwise specified
1	Mud or ooze
2	Sand and mud
3	S <b>an</b> d
4	Sand with shells and/or gravel
5	Shells
6	Gravel
7	Rock
8	Coral
9	Stone

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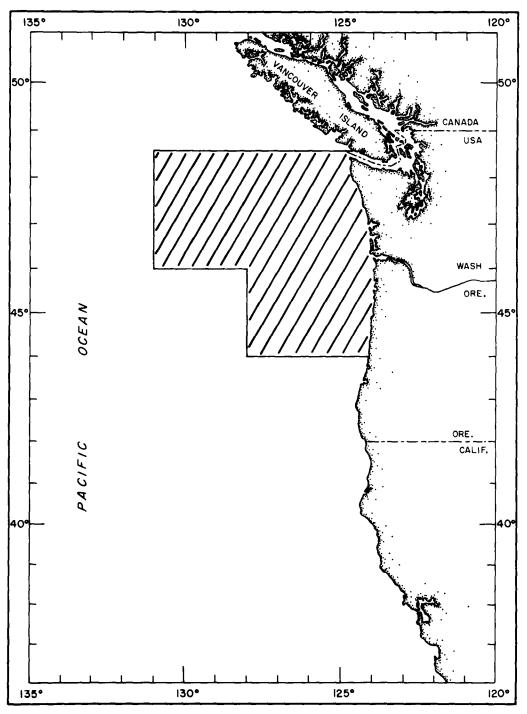


Fig. 1. Chart of the Northeast Pacific Ocean showing area covered by the cruises reported in this volume.

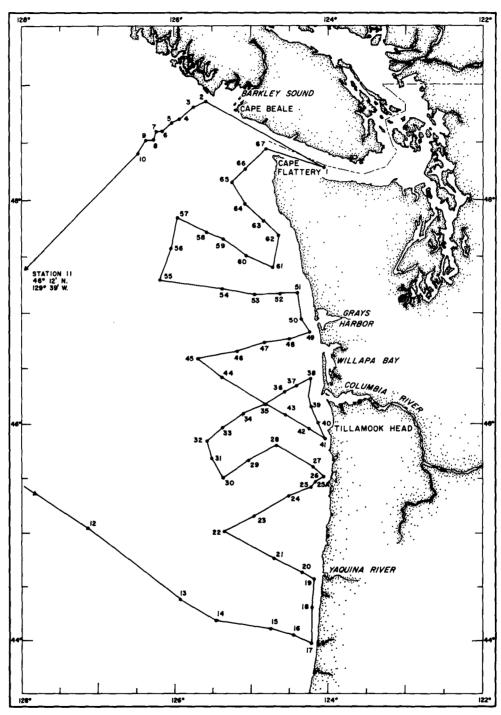


Fig. 2. Station locations Brown Bear Cruise No. 275, 10-27 January, 1961.

		PROD-S									
		PROD-1	1.70	1.11	0.92				E(0)	0.02	0001
		CHL-A F	0.74	0 • 54	0•38				0XY•	66 60 60 60 60 60 60 60 60	5.17 5.01 5.01 5.01
	WEA 20 VIS 6	NITR. C		Ü	Ü			VALUES	GEOPOT.	0.000 0.049 0.091 0.128	0.199 0.286 0.370 0.518
	SDG 103 RELHU 116	SIL.						COMPUTED V	SP.VOL.	8484 8486 8986 9986 9986	353.0 338.7 332.3 261.1
VALUES	124-03W SD WET RE DIR WA 1	PHOS.						AND	I GMA-T	22 22 24 24 34 37 37	24 • 42 24 • 57 25 • 64 25 • 40
VED	ပ္ခ	• ××0	66 56 56 56 56 56	600 400 904	พพ ชุม ชุม ชุม ชุม	50.00 50.00 50.00 50.00	4.45 4.04 4.04 6.04	INTERPOLATED	E(S) S	• 003	0000
OBSE	48-17N LON T DRY IR 06 SWL C	SIGMA-T	22.42 22.84 84	23.35 23.35 78	24.00 24.00 24.08 36.36	0000 4444 6444 6446 600 600	24 • 87 25 • 31 25 • 31	INTE	SAL.	28.853 30.239 30.818 31.269	
275-	X O A A D	SAL.	28.853 29.386	30.012 30.239 30.540	30.818 31.155 31.265	31.292 31.372 31.562 31.610	31 • 956 32 • 563 33 • 221	275-001	E(T)	Wmmm 000•0	0.00 0.00 0.00 31 0.00 32
STATION	12 CL 06 SEA	TEMÞ.	88 44 80	8.19 8.19 8.15	8.04 8.04 8.07	8.06 8.08 8.12 8.12	8.27 8.51 8.44	STATION	TEMP.	88 84 10 10 10 10	88.07 89.12 81.77 89.53
	1/11/61 BA 5 DIR	DEPTH	OW4	400 EU	0.00.00	339 77 96	121 145 174		DEPTH	9000	50 100 150
	DATE SECDI WVEL	CAST	<b>#</b> #								

	•	PROD				
		PR00-1			•	
	ព្ទរព	PHOS. SIL. NITR. CHL-A				
	46 WEA 65	NITR.	,			
	SDG 46 RELHU A 10	SIL				
ÆS	.3	PHOS.				
OBSERVED VALUES	125-39 WET DIR 2		00 0.0 44	6.32	6.33	6.27
OBSERV	HR 20 LAT 48-52N LONG 125-35W SCL 0 AMT 8 DRY WET 7 SEA 5 DIR 17 SWL 3 DIR 23	SIGMA-T OXY.		24.24		24 • 35 24 • 51
ATION 275-002	CAT 48- O AMT 8 S DIR 1	SAL.	31.318	31.318 31.311	31,314	31.471
STATION	HR 20 06 CL 17 SEA	TEMP.	9.17	9•16 9•12		9.20 9.28
	1/11/61 BA 15 DIR	DEPTH	OM	90	15	28 38
	DATE SECDI WVEL 1	CAST				

	E(0)	01
	0XY•	6.93 7.73 7.73
VALUES	GEOPOT.	0.000 0.037 0.074
COMPUTED \	SP.VOL.	369.4 369.4 367.2
INTERPOLATED AND C	SIGMA-T	200 200 200 200 200 200 200 200 200 200
IERPOLA	E(S)	00000
	SAL.	31.318 31.311 31.331 31.491
200-6/2 N	E(T)	001
25	TEMP.	9.17
	DEPTH	0000

	PROD-S							
	PROD-I						E(0)	000
	CHL-A						• XXO	6.22 6.22 6.22
WEA 62	NITR. C					/ALUES	GEOPOT.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SDG 55 RELHU 1 20	SIL·					AND COMPUTED VALUES	SP . VOL . ANOMAL Y	332 331 329 326
125-45W SD WET DIR 18 WA 2	PH0S.					ED AND CO	SIGMA-T	2244 2444 2446 2463 2463 2463
LONG 125 /L 3 DIR	• VXO	6.22 6.22 6.22 7.23	0000 0000 0000	6.22 6.23		INTERPOLATED	E(S)	.002 .005
3-48N 7-0RY 27 SM	SIGMA-T	00000 4444 0000 0000	0000 0000 0000 0000 0000 0000 0000	24.76 24.83			SAL.	31.883 31.882 31.914 31.967
3 LAT 4	SAL	31.883 31.881 31.884 31.882	31.888 31.912 31.915	32.063 32.163		V 275-003	E(T)	000
HR 2 10 CL 27 SE	TEMP.	0000 •••• 4444 0000	0000 4444 7000	9.54 9.59		STATION	TEMP.	0000 •••• 4440 0000
1/11/61 11 DIR	DEPTH	00.00	4867 4867	37			DEPTH	9000
DATE SECDI WVEL	CAST							

OBSERVED VALUES

STATION 275-003

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		PR00-1				
	11	CHL-A				
	WEA 01	NI TR.				
	SDG 73 RELHU	SIL.				
LUES	3	PHOS.				
OBSERVED VALUES	LONG 125-55W WET IL 1 DIR 18	0XY•	666 600 1788	900	6.00	50 00 00 00 00 00 00 00 00 00 00 00 00 0
	3	SIGMA-T	0000 444 0000 0000	24.96	24.98 25.01	24.98 25.08 0.08
1 275-004	E LAT 48-43N 6 AMT 3 DRY 1 4 DIR 27 SI	SAL.	32.561 32.261 32.261	32.261	32.287 32.319	32.286 32.407 32.456
STATION	15 CL 6 27 SEA 4	TEMP.	00000	9.22	9.22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	1/12/61 BA 9 DIR	ОЕРТН	OU 4 5		300	0.48 0.08
	DATE SECDI WVEL	CAST	<b></b>	- <sub>-</sub>		

	E(0)		-
	OXY.	6.08 6.07 6.08 6.07	5.89
VALUES	GEOPOT.	000000000000000000000000000000000000000	0.149
OMPUTED	SP.VOL.	0000 0000 0000 0000 0000 0000	292.5
NTERPOLATED AND COMPUTED VALUES	E(S) SIGMA-T	24.96 24.97 24.97 25.97	25.05
TERPOLA	E(S)		•
_	SAL.	32.250 32.250 32.250 32.353	32.415
STATION 275-004	E(T)		•
STATIO	TEMP.	66 6 6 00 0 0 00 0 0	9.42
	DEPTH	3800	50

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		PROD-1						E(0)		0.03	
		CHL-A P						ox¥.	6.27 6.27 6.27 6.27	6.25	
	502	IJ					w	۲₹ ۲,	00000	148 218	
	WEA (	NI TR					VALUES	GEOPOT.	0000	0.14	
	SDG 104 RELHU 05	SIL.					COMPUTED	SP.VOL.	2000 2000 2000 2000 2000 2000 2000 200	295.0	
LUES	3	PHOS.					AND	I GMA-T	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.03 25.33	
OBSERVED VALUES	LONG 126-01W WET L 1 DIR 18	oxv.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.27 6.27 6.28 6.28	66.27 6.08 4.89 83		INTERPOLATED	E(S) S		.020	
	40N DRY	SIGMA-T	0.000 0.000 0.000 0.000	200 200 200 200 200 200 200 200 200 200	25.02 25.07 25.07 25.41			SAL.	32.405 32.413 32.400 32.412	32.417 0 32.736 0	
275-00	S AMT	SAL.	00000000000000000000000000000000000000	32.406 32.410 32.413 32.412	32.411 32.469 32.822 32.862		N 275-005	E(T)	()(1()()	0.01	
STATION	1 HR 04 17 CL ( 24 SEA	TEMP.	66 6 6 66 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 9 9 9 1 1 2 1 2 1 3		STATION	TEMP.	0000 0000 0000	9.58 9.25	
	1/12/61 BA 4 DIR	DEPTH	OM 40	3000 0000	4.0.00 0.000			DEPTH	3000	50 75	
	DATE SECDI WVEL	CAST	चल ल च								

		PROD-S								
		PROD-1						E(0)		0.02
		CHL-A P						0XY•	0000 0000 0000 0000 0000	0.10 0.40 0.00 0.00
	5 02						S	GEOPOT.		
	WEA 02 VIS 7	NI TR					VALUE			
	SDG 145 RELHU	SIL					OMPUTED	SP.VOL.	298.2 298.4 298.3	285 240 240
\LUES	₹	PHOS.					INTERPOLATED AND COMPUTED VALUES	S'I GMA-T	24.99 24.99 24.99	25.13 25.61 25.61
OBSERVED VALUES	ONG 126-08W WET 1 DIR 18	• XXO	00 00 00 00 00 00 00 00	0000 0000 0000	94.40 94.40 96.00	3.76	RPOLATE	E(S) S		0.017
OBSE	ب ت	SIGMA-T	24.99	24 24 24 24 24 24 26 26 26 26 26 26 26 26 26 26 26 26 26	25.00 25.00 25.00 25.60 25.60 89	25.94	INTE	SAL.	20.368 20.367 372	32.522 0 33.027 0
275-006	6 LAT 48-36N 6 AMT 2 DRY 2 DIR 16 SW	SAL.	32.368 32.368 32.365 365	32,367 32,369 32,371 32,372	32.379 32.726 33.118 33.317	33,361	ON 275-006	E(T) (	ณัณัญ กักค	0.00 0.00 0.00 0.00
STATION	HR 06 19 CL 6 16 SEA	TEMP.	09•6	9.60 9.61 9.60 9.61	9.00 9.00 9.00 9.00 9.00 9.00	8•49	STATION	TEMP. E	9.60 9.61 9.61	9.46 8.946 5.56
	1/12/61 BA 3 DIR	DEPTH	၀၈ ဖဝ	280 380 30	4 9 8 0 0 0 0 0 0 0	125		DEPTH	30000	50 75 100
	DATE SECDI WVEL	CAST	an an			-				

		PROD-S					
		PROD-I					
	5 567 WEA 02 ELHU 68 VIS 7 0, 12	SIL. NITR. CHL-A					
OBSERVED VALUES	2 WET 7.4 RELHI DIR 18 WA 30.	OXY. PHOS.	0000 0000 0000 0000	66.29 66.29 67.29 67.29	6.29 5.35 4.51 3.70	46.00 0.00 0.00 0.00	3.54 × 2.44
OBSER	48-35N LONG DRY 10.2 R 16 SWL 1	SIGMA-T	440 440 600 600 600 600	24 - 99 - 99 - 99 - 99 - 99 - 99 - 99 -	24.99 25.37 25.86 26.12	26.02 26.29 26.34	26.26 26.66
1 275-007	K AMT	SAL.	32.395 32.395 32.395 32.395	32.390 32.392 32.392	32.391 32.886 33.266 33.550	33.437 33.716 33.757	33.613* 33.898
STATION	HR 07 19 CL 16 SEA	TEMP.	9.71 9.72 9.71 9.70	9.71 9.70 9.71	9.00 9.00 9.00 9.00 9.00 9.00	8.36 7.96 7.88 7.80	7.65* 6.36
	1/12/61 BA 6 DIR	DEPTH	on 40	3000 3000	4.080 0.000	0049	240 360
	DATE SECDI WVEL	CAST	ดดดด	ดดดด	นผผ-	Q	

	E(0)		0.06	0.15
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ALUES	GEOPOT.	00000	0.148 0.212 0.265 0.357	0.533
OMPUTED V	SP.VOL.	297.6 298.0 298.1 298.4	284.2 227.1 196.8 172.1	176.3
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	444 444 900 900 900 900	25.14 25.75 26.07 26.34	26.30
rerpola	E(S)		0.032	0.037
	SAL.	32.395 32.391 32.392 32.392	32.604 33.186 33.493	33.685 33.618
STATION 275-007	E(T)		0.00	0100
STATIO	TEMP.	9.71 9.70 9.70	98.80 98.80 98.80 98.80	7.74
	ОЕРТН	9000	50 100 150	200

Σ

STATION 2	DATE 1/12/61 HR 11 SECDI BA 18 CL 6 WVEL 11 DIR 17 SEA 3	CAST DEPTH TEMP.	0 10 20 90.06 30 90.06 90.06	2 39 9•57 3 2 78 9•65 3 2 78 9•65 3 2 97 8•31 3	121 8•10 3 146 7•96 3 154 7•99 3 170 7•80 3	1 226 7•08 3 1 277 6•77 3 1 382 6•14 3	STATION 2	DEPTH TEMP. E(	0 10 20 90.55 30 90.56 90.56	50 99.58 0.75 99.69 0.00 M 150 R 24 0.00 M	
275-008	LAT 48-	SAL.	32,375 32,367 32,368 32,368	32.372 32.484 32.918 33.409	33.651 33.764 33.828 33.838	33.927 33.970 34.021	275-008	:(T)	,,,,,,	0 m m m	01.0
	-32N L DRY 17 SWL	SIGMA-T	0000 0000 0000	4224 4224 4224 444 444 444	26.02 26.02 26.03 26.03 26.03	26.58 26.66 26.78		SAL•	32,375 32,367 32,368 32,367	32.403 0 33.454 0 33.798 0	33,939
OBSERVED V	ONG 126	OXY.	0000 0000 44400	6.34 0.38 0.38	84.00 80.00 80.00 80.00	2.60 2.13 1.75	INTERPOLATED	E(S)		000 000 000 000 000 000 000 000	7034
VALUES	6-16W S ET 7-8 I	PH0S.	m de de de	<b>∞</b> + M •0 = •	10.00.5.0	O MIC	AND	SIGMA-T	25.00 24.99 25.99 25.99	25.02 25.34 26.03 36.35	26.53
	SDG 677 RELHU 79 40• 18	SIL.					COMPUTED	SP.VOL.	297.0 297.6 297.7 297.6	296.0 265.9 198.8 170.4	154.1
	WEA 02	NITR.					VALUES	GEOPOT	0000	0.149 0.219 0.277 0.370	4
		CHL-A F						• oxv•	99999999999999999999999999999999999999	δη 4 ε ω η 0 ο ο η α η	0.67
		PROD-I						E(0)		0000	0
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		PROD-S										
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		CHL-A F		,				OXY.	9999 9999	600 000 000 000 000	2.00 2.00 1.90 1.90	1.19
	WEA 03	I TR.					VALUES	GEOPOT.	000000000000000000000000000000000000000	0.149 0.217 0.273 0.366	0.521 0.521 0.592 0.727	0.853
	6 896 ELHU 78 15 20	SIL. N					COMPUTED V	SP.VOL.	295.7 296.3 296.6 296.9	297•1 246•9 203•6 168•4	153.5 144.2 138.1	120.7
VALUES	-21W SD T 7.8 R	PH0S.					AND	I GMA-T	2500 2500 2500 2500 2500 2500	255.00 26.00 26.00 26.00	26.54 26.64 26.71 26.78	26.91
OBSERVED V	ONG 126- 9.4 WE	T OXY.	0000 0000 0000	6.30 6.18 5.11 7.11	6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00	2003 1007 1007 1007	INTERPOLATED	E(S) S	0000	0.017 0.005 0.003	0.016 0.032 0.008	
	-32N L DRY 17 SWL	SIGMA-T	2000 2000 2000 2000	25.01 25.01 25.50 25.50 25.90	26.18 26.19 26.32 26.44	26.49 26.49 26.81 26.92		SAL.	20.00 20.00	2.371 0 2.961 0 3.441 0	3.996 9.990 9.990 0.996 0.996	4.065 -
275-009	B LAT 48 8 AMT 5	SAL.	32.374 32.370 32.368 32.368	32.368 32.427 32.995 33.401	33.640 33.642 33.744 33.828	33.906 33.982 34.007 34.071	275-009	E(T)	000	0000	0000 7400 WWWW	Ď•
STATION	HR 15	TEMP.	0000 •••• 4444 0000	6668 6460 8864	88.47.7.09.00 0.00.00 0.00.00	500	STATION	TEMP. E	0000 4444 0000	9.51 9.05 7.74	7. 64. 6.00. 7.00. 7.00. 7.00.	5.37
	1/12/61 BA 16 DIR	DEPTH	7 7 7 7 7 7 7 7	38 76 97	117 122 141 164	182 308 506 505		DEPTH	9800	50 100 150	0000 0000 0000 0000	200
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		_		
		PROD-1		
	0.00	CHL-A		
STATION 275-010 OBSERVED VALUES	WEA O	NITR.		
	G 1335 ELHU 5	SIL.		
	WA SD	PHOS.		
	126-29 WET DIR 18	oxy.	3.11 2.45 0.57 4.0	0.35
	DRY LONG	I GMA-T	27.04	
	61 HR 19 LAT 48-24N LONG 126-29W SDG 1335 WEA 02 14 13 CL 6 AMT 8 DRY WET RELHU VIS 6 14 SEA 5 DIR 14 SWL 1 DIR 18 WA 45	SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A	34 • 133	4.04 34.300 27.25
	HR 19 13 CL 6 14 SEA	TEMP.	7.70 7.00 5.90 4.73	4.04
	1/12/61 11 BAA 8 DIR	DEPTH	2007 3007 141 141	908
	DATE SECDI WVEL 1	CAST		

PROD-S

INTERPOLATED AND COMPUTED VALUES STATION 275-010

NO INTERPOLATED AND COMPUTED VALUES

PROD-I CHL-A SDG RELHU STATION 275-010A OBSERVED VALUES LAT 48-24N LONG 126-29W AMT WET DIR SWL DIR SECDI 1/13/61 HR 00 SECDI DIR SEA DEPTH 0

PROD-S

0.47

0.16

4

		PROD-S							
		PROD-I							
	HR 14 LAT 46-12N LONG 129-39W SDG 2561 WEA 03 21 CL 6 AMT 8 DRY 9.2 WET 8.1 RELHU 87 VIS 6 16 SEA 8 DIR 16 SWL 1 DIR 24 WA 11. 13. 10	CHL-A	0.16	21.0	0.23	0.07			
STATION 275-011 OBSERVED VALUES		NITR.	5.1	3.8	₩₩ 040	68 466 466	19.5 19.7 16.6 19.8	4 mg 9 4 mg 9 6 mg 7	53.6
		SIL.	4	4	មាហា	461	2238 2238	51 41* 97	124 158
		PH0S.	0.93	0.91	0.95 0.89 0.76	0.82 1.12 1.41	1000 000 400 400 400	2.23 1.922 2.71 3.20	2. 9.83 9.04
		• XXO	6.36	6.36	6.35 6.37 6.37	6.34 5.91 4.94	3.70 2.84 2.98 2.98	€ 00 • • • 0 0 4 4 0 4 4 % 1 1 1	0.57
		SIGMA-T	25.14	25.14	25.14 25.15 25.15	25.14 25.65 25.91	26.22 26.22 26.54 26.54	26.77 26.74 27.24 27.43	27.54
		SAL.	32.612	32.607	32.610 32.619 32.610	32.616 32.939 33.221	33.590 33.782 33.875 33.894	33.987 33.811 34.291 34.434	34.497
		TEMP.	9.83	9.83	9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9.84 8.17 7.92	7.80 7.50 7.02	0046 0106 4060	2.66
	1/16/61 15 BA 2 DIR	DEPTH	OV	0	380 380	41 58 78 7	122 146 171 195	291 485 728 1043	1328 1639
	DATE SECDI WVEL	CAST	4	4	444	444	444N	ผพพท	ოო
			٥٩	I	<b>Q</b>	⋖			

	E(0)	00 • 0	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.05 0.20 0.08 0.11	0.00
	0XY•	6.35 6.35 6.35 6.35	6.38 6.01 4.77 3.19	0000 0000 0000 0000	2.89 1.82 0.72 0.23	0.29
ALUES	GEOPOT.	0.000 0.029 0.057 0.086	0.143 0.209 0.265 0.358	0.435 0.506 0.573 0.705	0.839 0.964 1.070 1.160	1.319
AND COMPUTED VALUES	SP.VOL.	00000000000000000000000000000000000000	287.2 243.7 207.7 162.4	135°1 132°3 133°4	133.7 116.1 96.2 84.1	74 • 5 67 • 8
ED AND C	SIGMA-T	2000 2000 2000 2000 2000 2000 2000 200	25.11 25.57 25.95 26.44	26.58 26.68 26.77 26.77	26.77 26.96 27.18 27.31	27.42
INTERPOLATED	E(S)	000	00000	0000 0000 0000 0000 0000	00 00 00 00 00 10 00 10 4	00000
	SAL.	32.612 32.607 32.600 32.600	32.594 32.881 33.860 33.803	33.900 33.953 33.979 33.888	33.834 34.0% 34.224 34.324	34.433 34.473
STATION 275-011	E(T)	00.0	000000000000000000000000000000000000000	0000	0000	00
STATIO	TEMP.	0000 0000 00000 00000	9.98 7.99 8.43 9.43	0000 0000 0040 00000	0.446 0.046 0.046 0.046	3.38 2.94
	DEPTH	0000	50 100 150	200 200 300 400 000	500 600 700 800	12000
			_			

		PROD-S					
		PROD-I					
	۵ <b>۲</b> -	CHL-A					
	WEA O	ZI Z	~0.0° 0.0° 0.0° 0.0° 0.0°		0 00-	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	42.9
	SDG 2834 RELHU 84 A 33, 15	SIL.	<u>+</u> 0, 69 0	25 25 25 26 26	J 4814	4 4 4 4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	132
UES	დ≩	PHOS.	0000	1.22		ה המ מ	2,57
OBSERVED VALUES	G 127-07W 1 WET 8 DIR 30	• YXO	00 00 00 00 00 00 00 00 00	•••		, UL04	0.55 1.05
OBSER	15-03N LONG 7 DRY 10.1	SIGMA-T	00 0 0 0	669	0 000 W 404	0000	27.48 27.61
275-012	6 AMT 7 2 DIR	SAL.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ผู้คุด	ค์ ค็กคัด	n 444	34.477 34.552
STATION	HR 03 24 CL (	TEMP.	00 0 0	000	907	4 004W	3.12
	1/18/61 23 BA DIR	DEPTH	00 0 F	9 69 C	8 2441 8 6441 8 6181	04-	1226 1713
	TE CD1	ST	ממממ	1 444	a a-a	v	

									PROD-S	
	E(0)		0000	0000	0000	001			PROD-I	0000 •••0 8440
	OXY.	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4.71 3.73 3.52 3.04	2.37 2.03 1.87 1.56	1.12 0.77 0.55 0.41	0.38 0.52 0.79			<b>4</b>	41 00 00 00
VALUES	GEOPOT.	0.0000 0.0029 0.058	0.137 0.186 0.229 0.310	0.386 0.459 0.530 0.667	0.795 0.913 1.022 1.121	1 • 298 1 • 451 1 • 648		WEA 02 VIS 7	CHL	0000
AND COMPUTED V	SP.VOL.	286.9 287.4 287.4 287.5	219.0 173.7 167.4 156.4	148.6 144.3 139.6 133.2	123-1 103-0 95-9	81.6 70.9 60.7		DG 2834 RELHU 84		
	SIGMA-T	NN	25 25 25 25 25 25 25 25 25 25 25 25 25 2	26.59 26.64 26.70 26.78	26.89 27.01 27.11 27.20	27.35 27.47 27.58	VALUES	7-07W S ET 8.8 R 30 WA		
INTERPOLATED	E(S)		0.058 0.017 0.001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.002 0.002 0.003	0000	SERVED	ONG 12 0.1		
	SAL.	32.569 32.567 32.565 32.565	33, 334 33, 810 33, 854 33, 921	33.976 34.004 34.025 34.025	34 · 102 34 · 162 34 · 225 34 · 289	34 991 34 469 34 537	2D 0B	45-03N L T 7 DRY 1 IR SWL		
N 275-012	E(T)		0000	0000	0000	001	V 275-01	3 LAT A 2 AM		
STATIO	TEMP.	0000 0000 0000 0000 0000	9.06 8.36 8.12 7.63	7.31 7.09 6.80 6.37	5.78 5.24 4.79 4.41	3.73 3.18 2.58	STATION	HR 0 24 CL SE		
	DEPTH	3000	50 100 150	250 300 400	500 600 700 800	1000 1200 1500		1/18/61 23 BA DIR	DEPTH	00.18
			Σ	ΣΣΣ				DATE SECDI WVEL		

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		PROD-S	1.76							
		PROD-1	0.32	;	0.33	•	0•12			
	m m	CHL-A	0.32	1	0.23		0 • 12			
	WEA 03	NITR.								
	SDG 2926 RELHU 80	SIL								
.UES	34W SC 9.6 F	PHOS.								
OBSERVED VALUES	125-54W 3 WET 9.6	oxy.	00 0 04 4 40 0	6.35	6.35	6,35	5.29 4.31	3.00 2.00 2.00 2.00 3.00 3.00 3.00 3.00	0 4 7 7	0.92
OBSER	44-23N LONG F 2 DRY 10.3 FR 09 SWL 3	SIGMA-T	200 0 00 0 00 0 00 0 00 0 00	25.03	25.03	25.03	25•66 26•01	2000 2000 2000 2000 8000 8000 8000 8000	26.79 27.00 27.22 27.41	27.60 27.71
275-013	LAT AM	SAL.	32.4992 32.4955 32.495	32,501	32.500	32,501	33.055 33.440	33.668 33.861 33.916 33.976	34.021 34.142 34.291 34.438	34.548 34.633
STATION	HR 16 22 CL 0 09 SEA	TEMP.	9.999 10.00	86•6	96•6	86•6	8.72 8.42	7.76 7.35 7.29 7.10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	2.42
	1/18/61 BA 9 DIR	DEPTH	200 200	30	4 R 100	99	966	123 148 172 190	288 486 734 1036	1585 2184
	DATE SECDI WVEL	CAST	444	4	4	4	44	4440	ุดพพท	ოო

	E(0)		0000		0.02	0001
	• XX0	0000 0446 4000	3.55 3.55 5.55 5.55 7.1		0.37	0.64 0.637 0.83 1.44
VALUES	GEOPOT.	00000	0.148 0.217 0.273 0.362	0.438 0.508 0.575 0.999	0.814 0.922 1.021 1.13	1 • 279 1 • 425 1 • 620 1 • 896
COMPUTED V	SP.VOL.	0000 0000 0000 0000 0000	299•1 248•9 201•2 156•3	145.4 136.8 129.3	111.2 102.9 95.4 88.7	77. 69.2 50.3
AND	SIGMA-T	2000 2000 2000 2000	225 26.9 26.9 202 202 002	26.62 26.42 26.80 26.92	27.01 27.10 27.19 27.27	27.39 27.48 27.58 27.69
INTERPOLATED	E(S)		0.0020 0.0020 0.0001 0.0021	0000	0000	0001
	SAL	32.492 32.495 32.495 32.501	32.463 32.924 33.452 33.867	33.973 34.009 34.028 34.087	34.151 34.212 34.271 34.327	34.423 34.483 34.539 34.611
Z 275-013	E(T)		00000	00.00 00.00 00.00	0000	0001
STATION	TEMP.	99999999999999999999999999999999999999	10.07 9.00 8.39 7.34	7 6 6 6 6 6 7 8 8	5.11 4.37 4.37 7.00	3.57 2.12 2.56 1.956
	ОЕРТН	3000	1000 1000 1000	220 2000 000 000	500 700 800	1000 12000 15000 2000

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			STATION	ON 275-014	OBSER	OBSERVED VALUES	UES					
	DATE SECDI WVEL	1/18/61 23 BA 5 DIR	1 HR 23 21 CL 15 SEA	LAT 44 1 AMT 2 2 DIR	-12N LONG DRY 12.1 15 SWL 1	125-25W WET 9.8 DIR WA	5W SD 9•8 R WA 1	SDG 2926 RELHU 75 A 15, 22, 2	WEA 01 5 VIS 8 21, 10	# <b>0</b>		
	CAST	DEPTH	TEMP.	SAL.	SIGMA-T	oxy.	PH0S.	SIL.	NI TR	CHL-A	PROD-1	PROD-S
۵<	4	00	10.92	32,622	24.96	6.27	0.87	ທ	2.7	0.16	0.41	3.28
(	4	10	10.91	32.626	24.97	6.28	0.83	4	3.5	000		0.428
<	44	300	10.86 10.86	32.625 32.623	24.97 24.97	6.28 6.27	0.86 0.90	ဖဖ	2.6 3.4			
1	4	140	10.86	32.624	24.97	6.27	0.81	ហ	2.6	0.25	0•36	0.32
<	4	50	10.89	32,627	24.97	6.26	0.75	12	<b>6.7</b>	ć	1	ć
(	44	702 98 8	10.62 8.94	32.698 33.166	25.07 25.71	6.08 5.18	0.93 1.64	50 20	3.4	0 4 4	75. 0	<b>4</b> 2 <b>•</b> 2
	4 <	U4	01	33.506	26.12	4.46	1 • 89	28	0,00			
	14-	172	7.36	33.914 33.914	26.51 26.51	3.94 2.92	000 000 000 000	37 40	27.0 44.5			
	00	284 476 702 981	6.14 4.92 3.63 68	33.942 34.067 34.266 34.424	26.72 26.97 27.20 27.38	0000	3.4 3.4 3.4 3.4 5.5 7.5 7.5 7.5	59 93 114 135	45.4 57.1 65.0 70.1			
	en e	1562	0.4 0.4 0.4	34.544	27.59	0.86	3.51	173	49 9 • 8			

	E(0)		0000	0.27 0.10 0.05 0.17	000000000000000000000000000000000000000	0000
	0XY•	6.28 6.28 6.28 7.28	6.15 6.15 6.15 6.15 6.15 6.15 8.05	3.36 3.20 2.86 1.87	0000 •••0 0400 0800	0.36 0.48 0.78 1.47
VALUES	GEOPOT.	00000	0 • 151 0 • 225 0 • 290 0 • 390	0.544 0.544 0.612 0.740	0.857 0.965 1.064 1.156	1.321 1.469 1.664 1.943
COMPUTED VALUES	SP VOL A	3000 2000 2000 4000 1000 1000	300.9 295.9 226.1 173.7	149 139 134 122 0	112.4 103.0 94.8 88.2	77.6 69.7 60.9 50.0
INTERPOLATED AND C	SIGMA-T	444 444 6004 7000 7000	24.97 25.02 25.76 26.32	26.58 26.70 26.75 26.89	26.99 27.10 27.19 27.21	27.39 27.48 27.57 27.68
TERPOLA	E(S)		000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0	0000 0000 0000 0000 0000
	SAL.	32.622 32.622 32.625 32.625	32.622 32.664 33.203 33.693	33.901 33.924 33.940 34.000	34.088 34.177 34.264 34.331	34.431 34.488 34.539 34.605
N 275014	E(T)		0000	0000	0000	0000
STATION	TEMP.	100.92 100.93 100.86	10.89 10.75 8.83 7.66	7.18 6.51 5.98 5.23	4444 80000 1000	66000
	DEPTH	3800	50 100 150	4 3 20 0 0 0 0 0 0 0 0	8 4 8 9 9 9 9 9 9 9 9 9 9 9	11000 12000 2000

**E EEEE EEEE EEE**E

		PROD-5										
		PROD-I	69•0	0.72		60.0	(	0		E(0)		0.05
		CHL-A P	• 4 1	0.74	į	7 4 • 0	(	62.0		0XY•	0000 0000	6.33 5.14
	WEA OO VIS B	NITR. CH	0	0	Ċ	5	•	D	VALUES	GEOPOT.	0000	0.147 0.215
	109 10 79	SIL. N							AND COMPUTED V	SP.VOL.	2923 2923 2929 2929 2929	294 • 2 253 • 4
-UES	43W SDG 9.5 RELY WA OS	PH0S.								SIGMA-T	2000 2000 400 400 400	25•04 25•47
OBSERVED VALUES	NG 124-43W •4 WET 9• 1 DIR	0XY•	9999 9999 9999	6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00	6.33 6.32	6.32	6.15	5.14	INTERPOLATED	E(S) S		0.026
OBSE	LAT 44-07N LONG AMT DRY 11.4 2 DIR 16 SWL 1	SIGMA-T	000 000 000 444	20 20 30 40 40 40	25.05 25.05	25.05	25.09	25.47 25.68	INTE	SAL.	32.649 32.661 32.657 32.655	.629 .168
275-015	LAT 444- AMT 2 DIR	SAL.	32.649 32.656 32.654	32.661 32.655 32.657	32,658 32,655	32,655	32,695	33.168 33.340	275-015	E(T)	<u> </u>	0.00 32
STATION	HR 05 20 CL 16 SEA	TEMP.	10.61 10.60 10.60	10.60 10.60 10.60	10.59 10.58	10.54	10.50	10.43	STATION	TEMP. E	100.60 100.60 580	10.52
•,	1/19/61 BA 7 DIR	DEPTH .	om v	0000	80°			976 000	-,	ОЕРТН	0000 0000	750
	DATE SECDI WVEL	CAST					-					

		PROD-S										
		PROD-I	0.81	0 • 65	Š	0.0	ò	9 V • O		E(0)		0000
		CHL-A P	0.23	0.37	•	0 • 4 1	1	7		• <b>XX</b> 0	6.28 6.28 6.28 6.27	5.69
	WEA 00 VIS 7	NITR. C							VALUES	GEOPOT.	00000 00000 00000 00000	0.146 0.215 0.280
	SDG 121 RELHU 72 1 07	SIL							COMPUTED VALUES	SP.VOL.	291.0 290.0 290.5 290.5	290 • 0 267 • 4 251 • 4
\_UES	124-25W SE WET 8.6 F DIR WA C	PHOS.							AND	SIGMA-T	255.06 255.07 255.07 25.07	25.08 25.32 25.50
OBSERVED VALUE		oxy.	6.28 6.28 6.28 6.88	6.28 6.28 6.28	6.28 6.27	6.27	6.10	5.55	INTERPOLATED	E(S) :		00000
	4-03N LONG DRY 11.1	SIGMA-T	255 255 255 255 255 255 255 255 255 255	25.07 25.07 25.07	25.07	25.07	25.12	25.39 25.50		SAL.	32.686 32.695 32.693 32.694	32.707 0 32.988 0 33.164 -
275-016	LAT 4 AMT 1 DIR	SAL.	32.686 32.692 32.692	32,695 32,695 32,693	32.693 32.694	32.694	32.761	33.066 33.164	275-016	E(T)	<b>~~~</b>	000000000000000000000000000000000000000
STATION	1 HR 08 12 CL 12 SEA	TEMP.	10.64 10.63 10.62	10.61 10.62 10.62	10.62 10.62	10.60	10.61	10.42 10.26	STATION	TEMP.	10.64 10.65 10.62 10.62	10.61 10.48 10.26
	1/18/61 BA 11 DIR	DEPTH	onv	0 210 0	302	40		1000		DEPTH	9000	50 75 100
	DATE SECDI WVEL	CAST	<del></del>	eee		1	-					

PROD-S		PROD-S 5.82
PROD-I	• в 22 22	PROD-1 1 • 60 1 • 02 0 • 98
WEA O2 VIS 7 NITR. CHL-A	VALUES GEOPOT. ANOMALY OXY. 0.000 0.032 0.032 0.063 6.45	A 00 IS CHL-A 00.48
SDG 37 2 RELHU 72 4 08 SS• SIL• N	D COMPUTED ( SP-VOL- T ANOMALY 323.4 323.4 2989.1 296.3	S SDG WEA RELHU VIS
SERVED VALL LONG 124-11 L 1 DIR L 2 DXY -T OXY -T OXY 	NTERPOLATED E(S) SIG E4 24 24 24 25	OBSERVED VALUES LONG 124-11W WET SWL DIR
A 275-01 2 LAT 4. 1 AMT A 1 DIR SAL. 32.199 32.222 32.521 32.587 32.591 32.622 32.622	275-017 E(T) SAL• 32-199 32-591 32-591 32-591	275-0170 OBSER LAT 44-00N LOR AMT DRY DIR SWL
STATI 61 HR C8 S C8 S TEMP• 10•44 10•64 10•64 10•64 10•64 10•64 10•64	STATION TEMP. E 10.542 10.682 10.682	STATION 61 HR 14 A 21 CL R 09 SEA
DATE 1/19/ SECDI 0 DI WVEL 10 DI CAST DEPTH 1 3 3 1 16 1 15 1 25 1 25 1 33	DEPTH 10 20 30	TE 1/19/ CCD1 12 B EL 2 D1 DEPTH
		4444 Q

PROD-S						
PR00-1	2.09	0 • 4 • 6	06•0		i L	(0)
CHL-A	0.56	0 4 4	0.15		3	0000 0000 0000 0000 0000
WEA 02 VIS 7				VALUES	GEOPOT.	0000
SDG 46 RELHU 62 . 03				COMPUTED	SP VOL	2000 2000 2000 2000 2000 2000 2000 200
2 8 P	JOL	<b>/- %</b> 10	ıΩ	AND	SIGMA-T	24.65 24.75 25.01 25.01
SERVE	25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		3 6.25	INTERPOLATED	E(S)	
-18N 09 09 SIG	24.75 24.93 25.01	25.02 25.01 25.04	25.0		SAL.	32.2412 32.245 32.603 32.613
275-( LAT AM 1 DI SAL	32,122 32,136 32,136 32,245 32,481 32,603	32.613 32.613 32.645	32.648	1 275-018	E(T)	<i>ካ</i> ከ ሰ ሰ
STATION HE STATION SE	10.42 10.42 10.42 10.58	10.57 10.58 10.58	10.62	STATION	TEMP.	011 001 044 001 001 001 001 001
1/1 2 DEP	Na vous	9999 91098	4		DEPTH	300 300
DATE SECDI WVEL CAST	1m mmm	mm m				

		STATION	10N 275-019		OBSERVED VALUES	UES					
DATE SECDI WVEL	1/19/61 4 BA 5 DIR	1 HR 18 20 CL 1 09 SEA	LAT 44 1 DIR	3	LONG 124-09W 11.6 WET 8.6	9W SD 8.6 RI	SDG 48 RELHU 67 4 00	WEA OZ	۵۲-		
CAST	DEPTH	TEMP.	SAL.	SIGMA-T	• YX0	PHOS.	SIL	AT IN	CHL-A	PROD-1	PROD-S
	0000	0000	31.446 31.446 31.668	22 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	66.00 44.00 44.00 44.00	11. 0.090	997	<b>ΦΦ Φ Γ</b> <b>Φ4 ω Γ</b>			
	) ii	0 4	32.493	24.94	6.38	1.02	10	) e			
	200	000	32,521 32,534	24.96	6.33	10001	126	บ ของ เของ			
	30	64.	32,541	24.97	6.27	1.12	Φ	₽. 4			
	44 ON	10•49 10•48	32.542 32.543	24•97 24•98	6.27	1.11	 	7.1			

	E(0)	
	• * *	6.04 6.34 6.33 6.77
ALUES	GEOPOT.	0000
COMPUTED VALUES	SP.VOL.	374.2 315.0 300.9
INTERPOLATED AND C	SIGMA-T	24.95 24.98 24.96 24.97
TERPOLA	E(S)	
_	SAL.	31.446 32.328 32.521 32.541
STATION 275-019	E(T)	
STATIO	TEMP	100 100 100 100 100 100
	DEPTH	3000 3000

		PROD-S	5.68	2•66	0.48			0000				
		PROD-I	1.43	1.53	1.08			1.17		E(0)		0.02
		CHL-A F	0 • 35	0.26	0 • 38		0E • 0	0 • 30		oxy.	6.037 6.037 6.037 6.038	6.25 5.86
	WEA 02	NITR. C	12.1	8.7	8			4.	VALUES	GEOPOT.	0.000 0.031 0.061	0.150
	SDG 81 RELHU 66 1 00	SIL.	1.1	11	σο			۲	COMPUTED V	SP.VOL.	307.4 302.7 299.1 296.5	297.1 283.6
LUES	124-18W SD WET 9.2 R DIR 27 WA 0	PH0S.	1.10	1.06	96•0			0.87	AND	SIGMA-T	24 . 89 24 . 94 25 . 01	25.01 25.15
OBSERVED VALUES	G 124-	• YX0	6.37	•	6.33 6.37 4.03 4.03	6.28	6.25	6 6 6 6 6 6 6 7	INTERPOLATED	(S) S		0.011
OBSER!	-38N LONG DRY 12•3 90 SWL 1	SIGMA-T	600	0	24.90 24.94 24.96	96•	000	001 201 201	INTER	Ш	<b>0,00 € 10</b>	
	÷ _ 0.	SIG	77	t		24	25.	ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស		SAL.	32.429 32.508 32.597 32.655	32.648 32.800
275-020	LAT 44	SAL.	32.429	•	32.445 32.508 32.558	32,597	32.641 32.655	32.663 32.657 32.876	275-020	E(T)	(,(,(,(,	0.01
STATION	HR 20 23 CL 90 SEA	TEMP.	00 00 00 00 00 00	) •	10 • 48 10 • 54 10 • 62	10.71	10.80	10.82 10.71 10.58	STATION	TEMP.	10.548 10.54 10.80	10.78
	1/19/61 14 BA 4 DIR	DEPTH	om	ល	111 88 80 80	20	9 N O	₩4.00 ФООО		DEPTH	0000	50 75
	DATE SECDI WVEL	CAST	pri pri	•	ed ed	H		ललल				
				-	-	_	_					

		PROD-S												
		PROD-I	0.81	0 • 86	i i	88.0	Ó	06.0			E(0)		0.00	
		∢	-22	• 29	Ç	929	•	• <del></del>			oxY.	6.27 6.28 6.27 6.27	90.46 90.46 80.46 90.44	2.69
	WEA OZ VIS 7	NITR. CHL-	0	Ō		0	(	Ď		VALUES	GEOPOT.	000000000000000000000000000000000000000	0.148 0.221 0.284 0.386	0.473
	SDG 238 RELHU 90	SIL. N								COMPUTED V	SP.VOL.	297.4 295.1 295.3 295.1	2966.2 281.6 182.0 185.0	160.4
VALUES	40W 111.0	PH0S.								AND	SIGMA-T	24.99 25.02 25.02 25.02	25.02 25.14 25.81 26.19	26.47
OBSERVED V	LONG 124-	• oxx	6.28	6.28 6.28 6.27	6.27 6.27	6.25	6.25	5.76	8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	NTERPOLATED	E(S)		0.010	
OBSE	-46N DRY	SIGMA-T	224 255 250 250 250 250 250 250	25.02 25.02 25.02	25.02	25.03	25.03	25•22 25•81	26.12 26.19 26.40 26.47	Z Z F	SAL.	32.649 32.646 32.646 32.647	32.632 32.806 33.390 33.720	3,900
275-021	LAT 44	SAL.	32.649 32.651 32.648	32.646 32.646 32.646	32.646 32.647	32.646	32.648	32.891 33.400	33.678 33.730 33.871 33.910	275-021	E(T)	ოოოო	00.00	Ю
STATION	HR 01	TEMP.	10.86 10.83 10.74	10.70 10.69 10.70	10.68 10.68	10.65	10.66	10.64 9.48	8.90 8.70 7.80	STATION	TEMP.	10.86 10.70 10.70	10.65 10.70 9.48 8.70	7.80
	1/20/61 23 BA DIR	DEPTH	<b>0</b> M 0	0 0 11 0 0 0 10 0	300			1000	125 150 200		DEPTH	3000	50 100 100	200
	г 1	<b>-</b>												

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		PROD-S											
		PROD-I	000	000		5.0	0	•					
	8 <b>7</b> -	CHL-A	000	•	Č	0					•		
	WEA 02 0 VIS 7	Δ T I N											
	SDG 2012 RELHU 80	SIL											
UES	125-20W SD WET 8.9 RI DIR 23 WA	PHOS.											
OBSERVED VALUES		• YX0	6.36	6.37	6.36	6.37	6.25	5.60 4.92	3.86	3,38	1 • 81	000	0.85
OBSER	LAT 45-02N LONG AMT 1 DRY 10.7 1 DIR 10 SWL 1	SIGMA-T	25.01	25.00	25.00	25.00	25.06	25.49 25.82	26.14	26.47	26.79	27.00	27.59
275-022	LAT 45- AMT 1 1 DIR 1	SAL.	32.477	32.480	32.480 32.475	32.477	32,534	32.906 33.207	33.571	33.840 33.929	34.022	34 • 100 34 • 308 34 • 434	34.544 34.592
STATION	21 CL 1	TEMP.	10.00	10.02	10.01	10.01	9.92	9 • 0 9 8 • 4 4	SI	7.44	00	0 4 ผ •	4-
	1/20/61 BA 2 DIR	DEPTH	00	100	000	<b>ა</b> ღ	50	77 97	4	170	90	400 400 400	1 1-0
	DATE SECDI WVEL	CAST	Ю	ო	ოო	е	е	ოო	m r	าคผ	Ŋſ	กเก	่ เ

	E(0)	00 • 0	0000	0000	0000	000
	0XY•	6.36 6.37 6.36 37	6.34 4.77 3.68 3.68	2.96 2.32 1.76	0.71 0.49 0.39	0.37
VALUES	GEOPOT.	00000	0.149 0.218 0.277 0.373	0.453 0.525 0.592 0.716	0.831 0.938 1.037 1.129	1.296
COMPUTED \	SP.VOL.	296.1 296.4 296.4 297.2	296.5 256.4 215.9 168.4	150.3 137.7 129.5 118.9	1102.9 102.8 95.5 88.9	77.9
INTERPOLATED AND C	SIGMA-T	NNNN NNNN 0000 001	25.01 25.01 25.84 26.37	26.92 26.80 26.92	27.01 27.11 27.19 27.27	27.39 27.48
TERPOLA.	E(S)	000•0	000000000000000000000000000000000000000	0.012 0.015 0.001 0.005	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0001
	SAL.	32.477 32.470 32.470 32.475	32.487 32.861 33.256 33.767	33.910 33.990 34.026 34.087	34.141 34.214 34.284 34.342	34.425 34.479
STATION 275-022	E(T)	00 • 0	0000	0000	0000	0000
STATIO	TEMP.	10000	10.01 9.19 8.40 7.68	7.00 0.00 0.00 0.00 0.00 0.00 0.00	0.444 60.44 60.44 0.44 0.44	3.63
	DEPTH	3000	100 100 100 100	0000 0000 0000	500 7000 8000	1200

		PROD-S	3.24	! !							
		PROD-1	0.63	0.74		0.65		0.57			
	ଧୁନ	CHL-A	0.36	0.21		0.43		0 • 18			
	WEA 02	AT IN									
	SDG 823 RELHU 64 4 22	SIL									,
UES	124-56W SE WET 9.4 F DIR 22 WA 2	PHOS.									
OBSERVED VALUES	3 124-5 B WET DIR 2	oxy.	6.29	6.29	6.29	6.29	6.25	6.00	3.77	2.00 0.00 0.00	2.07 0.98 0.37
	LAT 45-10N LONG AMT DRY 12-8 I DIR 06 SWL 1	SIGMA-T	25.03	25.03	25.03 25.03	25.04		25.73	26.11 26.31	26.45	26.72 26.94 27.20
ON 275-023		SAL.	32,634	32,635	32.636 32.636	32.643		33,275	33,597 33,767	33.898	34.007 34.104 34.290
STATION	1 HR 16 18 CL 06 SEA	TEMP.	10.59	10.59	10.58 10.58	10.58	10.60	10.48 9.38	200	00	6.52 5.44 4.37
	1/20/61 BA 6 DIR	DEPTH	00	10	280	3.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	58	77 77	121	ď	277 463 705
	DATE SECDI WVEL	CAST	8	Ŋ	พพ	a	N	ผผ	ผพก	1	

E(0)	00•0	0000	0000	
0XY•	0000 0000 0000	4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2.75 2.30 1.90 1.28	0.83
GEOPOT. ANOMALY	00000	0.147 0.217 0.279 0.378	0.461 0.536 0.605 0.733	0.852 0.961
SP.VOL.	000 000 000 000 000 000 000 000 000 00	289•1 269•9 223•9 173•3	157.9 143.7 133.4 122.3	114.6 104.6 94.6
SIGMA-T	NN NN 0000 0000 0000	25.09 25.30 25.78 26.32	26.49 26.65 26.76 26.89	26.98 27.09 27.20
E(S)	000•0	0.021 0.031 0.003	00000 00000 00000 00000	
SAL.	322 322 322 323 323 323 323 323 323 323	32.716 32.964 33.318 33.790	33.928 33.992 34.022	34.128 34.201 34.285
E(T)	00 • 0	0000	0000	
TEMP	00 00 00 00 00 00 00 00 00 00	10.60 10.52 9.25 8.14	7.72 6.98 6.32 5.67	34 4 80 90 90 90
DEPTH	3000 0000	50 75 100 150	0000 0000	500 700 700
	SP.VOL. GEOPOT. TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  10.59 32.634 25.03 294.1 0.030 6.29 10.58 0.00 32.636 0.000 25.03 294.3 0.089 6.29	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  10.59 10.59 10.58 0.00 32.636 10.58 0.000 32.636 0.000 25.03 294.0 0.000 6.29 6.29 10.58 0.000 32.716 0.0021 25.03 294.1 0.0030 6.29 6.29 6.29 10.58 0.001 32.716 0.0021 25.09 269.9 0.217 6.05 9.25 0.00 33.318 0.003 25.30 269.9 0.217 6.05 9.25 0.00 33.318 0.003 25.30 269.9 0.277 4.62 8.14 0.02 33.790 0.002 26.32 173.3 0.378	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  10.59 10.59 10.58 0.00 32.636 0.000 32.636 0.000 25.03 294.0 0.000 6.29 10.58 0.000 32.636 0.000 25.03 294.0 0.000 6.29 10.58 0.000 32.636 0.000 25.03 294.0 0.003 6.29 6.29 10.60 0.001 32.716 0.0021 25.03 269.9 0.0147 6.028 10.60 9.25 0.000 33.928 0.002 26.32 173.3 0.378 3.22 6.98 0.009 26.49 157.9 0.461 2.75 6.98 6.32 0.003 26.49 157.9 0.461 2.75 6.98 6.32 0.003 34.022 0.004 26.76 133.4 0.605 1.20

		PROD-S	3.26	1 • 88	0.32	00 • 0		
		PROD-I	69•0	0.59	0.65	1 • 05		
	୧୯ ୧୯	CHL-A	0 • 18	0.21	0.31	0.20		
	WEA VIS	α H	000 000	7 8 6 6 7 6 0	ბ4 ფ ბ • • • • •	5.4 6.4 17.3	08480 0806 0806 0816	
	SDG 549 RELHU 53 1 06. 04	SIL	04U	150 150 150	100 111 9	9 11 18 18 47	244 644 60	80
LUES	03	PHOS.	1.01	0.00 0.00 0.00 0.00 0.00	0000	1.03 1.06 1.41 1.41	0000 0446 0446	2.94
OBSERVED VALUES	IG 124-29W 0 WET 10. DIR 22	oxy.	6.28 6.28 6.28 6.28	6.27 6.28 6.28	6.28 6.27 6.26	6.26 4.26 4.79	200 201 201 100 100 100 100 100 100 100	1.19
OBSER	45-21N LONG T 0 DRY 15.0 IR 09 SWL 1	SIGMA-T	250 250 250 250 250 250 250	25.01 25.01 25.02	25 25 25 25 25 25 25 25 25 25 25 25 25 2	25.03 25.24 25.61	266 266 266 266 266 266 266 266 266 266	26.89
275-024	LAT 45- AMT 0 1 DIR (	SAL	32.608 32.614 32.609	32.605 32.603 32.610	32.609 32.612 32.609	32.614 32.844 33.197	33.541 33.888 33.904 34.012	34.082
STATION	1 HR 22 16 CL 09 SEA	TEMP.	10.59 10.58 10.56	10.54 10.54 10.54	10.54 10.53 10.52	10.51 10.32 9.71	8.68 7.76 7.63 6.52	5.68
	1/20/61 23 BA 2 DIR	DEPTH	omv	N 1110 0000	40 E E	5 7 7 8 7 8	122 172 195 293	390
	DATE SECDI WVEL	CAST	ุกเกก	ณพพ	ุนน น	ุณ พพ		-

	E(0)	0000	0000	00
	0XY•	6.28 6.27 6.27 7.23	6.26 6.31 4.66 3.11	2.50 4.00 4.00 4.00
/ALUES	GEOPOT.	00000	0.220 0.220 0.285 0.385	00 40 04 04 04 04
OMPUTED \	SP.VOL. ANOMALY	2995 2995 2995 2995 2995 2995 2995 2995	296.8 279.9 234.6 171.9	157•3 146•7 135•4
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	200 200 200 200 200 200 200 200	25.01 25.19 25.67 26.34	26.50 26.62
rerPolA	E(S)	000•0	0000	0.001
	SAL.	32.608 32.605 32.600	32.596 32.796 33.245 33.791	33.909 33.963
STATION 275-024	E(T)	00 • 0	0000	0.01
STATIO	TEMP. E(T)	01 00 00 00 00 00 00 00 00 00 00 00 00 0	10.53 10.37 9.58 8.05	7.58
	DEPTH	3000	50 100 150	200 200 200 200 200

		PROD-S										
		PROD-I	0.57	0.43	,	09•0	0 • 45		·	E(0)	00 • 0	000
		CHL-A F	0 • 1 1	0.27	1	0 • 24	0.16		•	OXY.	6.29 6.28 6.28 6.28	6.23 5.23 1363 1363
	WEA OZ VIS B	NITR. C	0	J	·	J	Ü		VALUES	GEOPOT.	000000000000000000000000000000000000000	0.148 0.221 0.290
	5DG 137 RELHU 50 05	SIL							COMPUTED V	SP.VOL.	2995 2995 2995 294 3	293 8 295 9 254 0
VALUES	12W S 23 WA	PH0S.							AND	SIGMA-T	225 225 25 25 25 25 25 25 25 25 25 25 25	25.04 25.02 25.47
SVED	ONG 124- 3.6 WET	• vxo	0000 0000 0000 0000	6.28 6.28 6.28	6.28	6.29 6.24	6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4.17	INTERPOLATED	E(S) S	000	002
OBSE	5-26N LON 0 DRY 13, 09 SWL	SIGMA-T	200 000 000 000 000	25 25 25 03 25 05	25.02	25.03 25.04	25.00 25.00 25.00 20.00	25.86	INTE	SAL.	0.6441 0.6748 0.000	2.683 0 2.673 0 3.043 -
275-025	LAT 45 AMT 0 1 DIR	SAL.	32.641 32.651 32.651	32.648 32.662 32.674	32,641	32•652 32•676	32.682 32.683 32.986	33,413	275-025	(L)	328 338	000
STATION	HR 01 16 CL 09 SEA	TEMP.	10.70 10.70	10.70 10.69 10.67	10.67	10.66	10•76 10•76 9•98	9.26	STATION	TEMP. E	10.70 10.70 10.67 10.66	10.74 0 10.79 0 9.87 -
	1/21/61 21 BA 6 DIR	DEPTH .	om vo	200 200 200 200	400	900	400 400 400 400 400 400 400 400 400 400	117	3,	DEPTH	9000	50 75 100
	DATE SECDI WVEL	CAST			=		eee					

VALUES
OBSERVED
275-25A
STATION

		PROD-S	
		PROD-I	
		CHL-A	
	WEA VIS	NI TR	
	N SDG RELHU WA	SIL	
)	SBW SD WA	PH0S.	
	124-( WET DIR	oxy.	
i i )	02 LAT 45-28N LONG 124-08W 1L AMT DRY WET SEA DIR SWL DIR	SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I PROD-S	
! !	LAT 45- AMT DIR	SAL.	32.286 32.387 32.560 32.619
		TEMP.	
	1/21/61 HR BA DIR	DEPTH	0000
	DATE SECDI WVEL	CAST	

STATION 275-25A INTERPOLATED AND COMPUTED VALUES

						30.06			c
E(0	oxY.	ANOMALY.	ANOMALY	SIGMA-T	E(S)	SAL.	E(T)	TEMP.	DEPTH

20 32,286 32,387 20 32,560 32,637 ----

		PROD-S									
		PROD-1	0.97	70	1 • 29		1.23			E(0)	
		CHL-A	0.41	1	0.40		0.30			0××0	00.00 00.00 04.00
	WEA 02 VIS 8	NITR.							VALUES	GEOPOT.	0.000 0.034 0.067
	SDG 40 RELHU 50 A 08	SIL.							INTERPOLATED AND COMPUTED VALUES	SP.VOL.	335 335 386 386 0
)	124-01W SI WET 8.4 F DIR 23 WA	PHOS.						·	D AND CO	SIGMA-T	24.59 24.61 24.70
	NG 124- 1 DIR	• XX0	6.51 6.48	6.50 6.50	6.46	6.44 44	6.44		ROLATE	E(S) S	
	LAT 45-32N LONG AMT 0 DRY 13.8 DIR 14 SWL 1	SIGMA-T	24 • 59 24 • 50	24.60 24.61	24.64	24.70	24.72		INTE	SAL.	31,999 32,032 32,158
	-	SAL.	31.999 32.011	32.016 32.032	32.076	32.158 32.167	32,185		275-026	(T)	E M M
	HR 04 15 CL 14 SEA	TEMP.	10.26	10.28	10.32	10.37	10.36		STATION	TEMP. E	10.26 10.29 10.37
	1/21/61 BA 13 DIR	DEPTH	OM4	900	ຸດ	000 041	56			DEPTH	800 000
	DATE SECDI WVEL	CAST					-				

OBSERVED VALUES

STATION 275-026

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0.00

6.24 6.21

0.152

		PROD-S									
		PR0D-1	0.93	0.88		0.43	0.47		E(0)	00.0	0.00
		CHL-A	0.37	0 • 28		0 • 24	0•16		0XX•	0000 0000 0000 0000	6.24
	WEA 02 VIS 8	NITR. C						VALUES	GEOPOT.	0000 0000 0000 0004	0.152
	SDG 115 RELHU 60 1 10	SIL.						COMPUTED V	SPONOL .	337.1 320.2 294.5 293.5	293•3 293•2
ALUES	124-09W SE WET 8.1 F DIR 23 WA 1	PHOS.						AND	SIGMA-T	24.57 24.75 25.03 25.04	25.05 25.05
OBSERVED VALUES	0NG 1.7	T OXY.	000 444 000	6 4 6 8 8 8 8	6.24	6.23	566 500 500 500	INTERPOLATED	E(S) 8	000•0	0.002
	72 O	SIGMA-T	24 24 24 50 1	24.75 25.01 25.03	25.03	25.04 25.05	25.00 25.00 20.00 20.00	INT	SAL.	31.983 32.245 32.657 32.681	32.689 (32.694 (
275-027	LAT 45-3 1 DIR 10	SAL.	31.983 32.025 32.108	32.245 32.640 32.657	32.669	32.679 32.690	32.686 32.698 32.978	275-027	E(T)	mmmm 00 0	000
STATION	HR 06 15 CL 10 SEA	TEMP.	10.28 10.27 10.30	10.42 10.70	10.72	10.73	10.74 10.71 10.21	STATION	TEMP. E	10.28 10.42 10.70	10.73 0
	1/21/61 BA 6 DIR	DEPTH	OM <b>v</b> 0	2000	40	389 389	57 58 96 96	·	DEPTH	3800	50 75
	DATE SECDI WVEL	CAST			-						

		PROD-S												
		PROD-I	0.41	0.51	9,00	)	•	0				E(0)	00 • 0	0001
		∢ .	•31	• 0 5	r.	•	(	07•				OXY.	6.29 6.29 6.29	6.29 6.29 6.14
	WEA VIS	NITR. CHL	0	0	C	)	•	<b>&gt;</b>		A HE S	ון רט	GEOPOT.	000000000000000000000000000000000000000	0.222 0.222 0.294
	DG 208 RELHU	SIL. N								Y CHENCE		SP.VOL.	294 • 1 294 • 6 294 • 5 294 • 7	295.2 296.4 280.4
UES	38W SDG WA 03	PHOS.	•							2 4		SIGMA-T	2000 2000 2000 2000	55.03 5.03 1.92
OBSERVED VALUES	124- WET DIR	• YX0	6.27 6.27 6.28	6.28 6.29 6.29	6.29	6.29	6.29	6.29	<b>-</b> ~	A PARECE		E(S) SI	000	0000
OBSE	5-48N LONG DRY SWL	SIGMA-T	000 000 000 000	25.02 24.02 25.03	25.03 25.03	25.03	25.02	25.02 25.13	00 00 01	- - -		SAL.	622 610 626 626 0	.618 0 .617 0 .803 -
275-028	LAT 45- AMT DIR	SAL.	32.622 32.622 32.622	32.620 32.303 32.626	32.624 32.626	32.621	32.618	32.622 32.751	บุต	74-02B	010	(£	32 32 32 32 32	.01 .00 32 
STATION	HR 11 15 CL 10 SEA	TEMP.	10.54 10.56 10.56	10.55 10.56 10.56	10.56 10.56	10.52	10.56	10.57	9.0	STATION	• - [	TEMP. E	10.554 10.555 10.56	10.53 10.57 0
· ·	1/21/61 BA 1 3 DIR 1	DEPTH 1	OM 40	80.00	468 100 11	· O	0.0	9886	n m	J.	•	DEPTH .	0000	50 100
	SECDI WVEL	CAST	NN N	ผผผ	ผพ	73	ผ	<b>ผ</b> พ•						Σ
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		PROD-S	3.28										
		PROD-1	00	\h.	ı	0.74	(	683 0					
	<b>0</b> 80	CHL-A	0.28			0 • 0	(	0 • 32					
	WEA 02	NITR.											
	SDG 1573 RELHU 82 A 20, 17	SIL.											
JES	W SD S WA 2	PHOS.											
OBSERVED VALUES	125-01W WET 10.4 DIR 23 WA	oxy.	6.27	6.27	6.27	6.27	6.27	5.77	4.01 3.36	3.05 2.83	24.00 24.00 24.00	0.40	1.00
OBSERV	-40N LONG DRY 12.2	SIGMA-T	25.02	25.04	25.04 25.04	25.04	25.04	25.20 25.66	26.02		26.61 26.95 27.19		27.56
ON 275-029	LAT 45-40N 1 AMT 2 DRY 1 DIR 16 SV	SAL.	32.630	32.634	32.636 32.640	32.640	32.642	32.809 33.198	33.524 33.746	33.845 33.880	33.966 34.114 34.281	34.420	34.526
STATION	13 CL 1 16 SEA 1	TEMP.	10.62	10.51	10.55 10.55	10.55	10.56	10.36 9.45	8 • 78 8 • 28	ο Φ	7.04 0.04 0.08 0.08	ល	2.65
	1/21/61 23 BA 2 DIR	DEPTH	00	10	200	38	57	96 96	122 145	168 189	284 475 715	666	1475
	DATE SECDI WVEL	CAST	m	ю	ოო	ო	ო	ოო	ოო	ma	ดดด	N	N
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	_			.0.0015	A1 -4 -	
	E(0)		0000	0000	0000 0000 0000	
	OXY.	6.02 7.03 7.03 7.03 7.03	5.30 5.81 4.74 3.28	2.53 1.529 1.539	00 00 00 04 04 04 04	0.40
ALUES	GEOPOT.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.147 0.219 0.283 0.384	0.468 0.545 0.619 0.756	0.877 0.987 1.087 1.181	1.348 1.494
OMPOTED \	SP.VOL. ANOMALY	294 292 293 293 8	294.8 280.1 229.6 175.2	158 150 145 128 128 128 128 128	114.2 104.6 97.1 89.8	77 •4 68 • 6
INTERFOLATED AND COMPUTED VALUES	SIGMA-T	00000 00000 0000 0000 0000	25.03 25.19 25.19 26.30	26.49 26.58 26.58 26.64	26.98 27.09 27.17 27.26	27.39
ERPOLA	E(S)	000•0	0000	0000 0000 0000 0000	0000	
	SAL.	32.620 32.620 32.634 32.636	32.632 32.796 33.257 33.775	33.911 33.964 33.979 34.059	34.133 34.205 34.272 34.329	34.420 34.484
SIAIIUN 215-029	E(T)	00•0	0000	0000	0000	
	TEMP.	10.62 10.55 10.55	10.57 10.38 9.32 8.20	7 7 9 9 9 9 9 9 9 9	5 4 4 4 4 6 8 1 8 4 4 4 4 8 1 8 1 8 1 8 1 8 1 8 1 8	3.56 3.08
	ОЕРТН	9000	50 100 150	0000 0000 0000	500 700 800	1000

		PROD-S	5.10	2•84		0.36	,	0 1 2					
		PROD-1	99.0	0.76		0.15	,	9 • •		•			
	60 8	CHL-A	0 0 0	0.18		62.0	,	0.1.0					
	WEA V15	NITR.	,	7.6				•					
	SDG 2103 RELHU 84 A 25, 05	SIL	(	סי				1					
_UES	_ 2	PHOS.		1.00		40.		90.					
OBSERVED VALUES	G 125-21W 8 WET 10.3 DIR 22 W	oxy.	6.37	6.37	6.36	6.27	6.05	5.20	0.00 400 0.00	2.83	2,38	0.41	0.59
	45-31N LONG 3 DRY 11.8 R 12 SWL 7	SIGMA-T	24.98	25.00	25.00	25.02	25.17	25.68 25.98	26.26 26.44	26.49	26.70	27.17 27.33	27.54
ON 275-030	LAT AMT	SAL.	32,506	32,506	32,502	32,529	32.643	33.062 33.410	33,703 33,867	33.898 33.926	33,997	34.273	34.514
STATION	13 CL 2 12 SEA 1	TEMP.	10.29	10.20	10•18 10•16	10.16	9.80	8 40 40 54	8.10	7.58 7.58	9-	4.6 • N. 8 • N. 8 • N. 8	2.78
	1/21/61 23 BA 3 DIR	DEPTH	00	100	00.		90	98 88	124	<b>9</b> 1	252	904 903 903	1402
	DATE SECDI WVEL	CAST	N	Ŋ	ผผ	N	N	ผผ	ผผ	-0	~		-

	E(0)	00 • 0	0000	000000000000000000000000000000000000000	0000	00
	oxy.	6.37 6.37 6.36 6.36	0.04 0.04 0.04 0.04 0.05 0.05	2.57 2.38 2.07 1.48	0000 9000 8000 848	00.32
VALUES	GEOPOT.	00000	0.149 0.215 0.271 0.362	0.439 0.512 0.579 0.705	0.819 0.924 1.020 1.111	1.428
OMPUTED \	SP.VOL. ANOMALY	298 297 297 297 8	291 241 202 161 2	149.8 139.1 131.4	109.3 100.2 93.2 87.8	71.00
INTERPOLATED AND COMPUTED	SIGMA-T	4000 4000 6000 8000	200 200 200 200 200 200 200 200 200 200	26.58 26.70 26.78 26.91	27.03 27.13 27.21 27.28	27.38
TERPOLA	E(S)	000•0	000000000000000000000000000000000000000	0000 0000 0000 0004	00000	0.001
	SAL.	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	32.566 32.989 33.438 33.873	33.948 33.998 34.020 34.064	34.141 34.234 34.305 34.349	34.413 34.469 34.535
N 275-030	E(T)	00•0	0000 •••• 0000 0400	0000	0000 0000 4W00	000
STATION	TEMP.	0000	10.05 8.82 8.40 7.72	7.25 6.65 5.36	4444 0.00 0.00 0.00 0.00	0.00 4.00 4.00 4.00
	DEPTH	0000	50 100 150 150	0000 0000 0000	500 700 800	12000

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		PROD-S								
		PROD-I	0.58	00.0	•	0.0	0.53		·	
	S 8	CHL-A	0.29		;	4.	0.28			
	WEA VIS	٠ ۲ ۲								
	SDG 2012 RELHU 87 1 05, 03	SIL								
UES	03	PHOS.								
OBSERVED VALUES	G 125-30W 1 WET 9	• ×× o	6.45	6.46	6.46	6.46 6.44	აი გი 490	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.81 0.73 0.39	00 48 9
OBSER	45-41N LONG 3 DRY 10.1 R 12 SWL 4	SIGMA-T	25.06	25.06	25.07	25.07 25.07	2000 2000 2000 2000 2000	0000 0000 0400 0004	26.77 27.01 27.20 27.36	7.00 4.00 0.00 0.00
ON 275-031	LAT 45 AMT 3	SAL.	32,517	32,515	32.520	32.516 32.513	32.540 32.764 33.55	33.725 33.809 33.892 33.928	34.029 34.152 34.288 34.394	34.479 34.556
STATION	HR 03 12 CL 1 12 SEA	TEMP.	9.84	9.83	9.80	9•78 9•78	9.77 9.32 8.40	8.02 7.70 7.52 7.38	6.33 4.33 3.70	84.0 0.0 0.0 0.0 0.0 0.0
	1/22/61 20 BA 3 DIR	DEPTH	00	00	19	388	9457 757 96	1100 140 140 160 160	291 485 681 926	1218 1561 1953
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	E(0)	00	0000	0000 0000 4400	0000	000
	• XX0	0000 •••• 4444 0000	6.40 3.91 3.02 3.02	20.00 1.00 1.1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.38 0.48 0.74
/ALUES	GEOPOT. ANOMALY	000000	0.146 0.216 0.273 0.360	0.438 0.510 0.578 0.703	0.817 0.922 1.019 1.108	1.272 1.419 1.613
AND COMPUTED VALUES	SP.VOL.	290 290 290 890 1	291.0 267.7 188.0 163.2	149.0 138.8 131.6 118.7	100 100 92 98 86	77 • 1 69 • 4 60 • 1
LED AND C	SIGMA-T	222 225 25 25 25 25 25 25 25 25 25 25 25	25.07 25.32 26.16 26.16	26.59 26.70 26.78 26.92	27.03 27.13 27.22 27.29	27•39 27•48 27•58
INTERPOLATED	E(S)	0000	0.006 0.003 0.017 0.001	0.014 0.016 0.001 0.005	000000000000000000000000000000000000000	0000
	SAL.	32.517 32.515 32.515	32.516 32.743 33.613 33.832	33.953 34.013 34.104	34.163 34.234 34.298 34.346	34.419 34.475 34.544
N 275-031	E(T)	00	0000	0000	0000	000
SIAIION	TEMP.	9.00 9.00 9.00 9.00 9.00	9.80 9.35 7.65	7.00 6.73 5.55 5.54	0444 0400 0400	3.09
	DEPTH	3000	50 100 150	0000 0000 0000	500 700 800 800	1000 1200 1500

		PROD-S										
		PROD-I	0 4.	<b>†</b>		0 • 45 C	ر م	) •				
	0 8	CHL-A	0.31	•	;	12.0	0000			,		
	WEA VIS	Z I Z	4.9	4•1	4 4 0 .	4.5	4.9	6.6 24.4	28.6 30.9	29.8 47.1	58.2 64.9 71.4	72.6
	DG 2195 RELHU 86 03, 03	SIL	ø	9	۲0	v	^	30	484	<b>4</b> 2 2 2	79 111 136	154
LUES	4 ¥	PHOS.	96.0	1.03	1.04 0.95	0.93	0.93	1.15 2.12	งเก	2.62 2.55	3.45 3.42 3.61	
OBSERVED VALUES	6 125-33W 6 WET 9. DIR 22	oxy.	6.41	6.35	6.41	6.37	6.37	5.96	3.64	2.61 2.55	1.25 0.56 0.36	69.0
OBSER	45-52N LONG T 0 DRY 10.6 IR 12 SWL 1	SIGMA-T	25.08	25.08	25.09 25.09	25.09	25.08	25•27 26•05	26.31 26.48	26.57	26.88 27.11 27.39	27,50
275-032	LAT 45	SAL.	32,523	32,524	32.528 32.530	32,529	32,523	32.694 33.497	33.710	33.945 33.942	34.073 34.207 34.408	34.486
STATION	HR 06 13 CL 12 SEA	TEMP.	9.74	9.75	9.75 9.72	9.74	9.74	9.39	• •	7.31 7.04	2.00 0.00 0.00 0.00 0.00	0
	1/22/61 BA 3 DIR	DEPTH	00	100	066		5 G	776	123 146	<b>~</b> 0	380 561 975	ល
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E(0)	00 • 0	0000	0000	0000 0000 1000	•
0XY•	6.41 6.41 6.41 6.41	6.39 6.05 3.92 2.71	2.55 2.23 1.77 1.15	0000 4460 8480	0.37
GEOPOT.	0000 0000 0000 0000 0000 0000	0.145 0.216 0.274 0.362	0.438 0.510 0.577 0.702	0.815 0.919 1.013 1.102	1 • 263
SP.VOL.	2888 2888 2888 2888 4	2900 2750 1930 1560 8	147.7 140.1 128.9 119.7	107.9 98.4 91.2 85.2	76.6
SIGMA-T	200 200 200 200 200 200 200 200	25.07 25.24 26.10 26.50	26.60 26.69 26.81 26.91	27.04 27.15 27.23 27.30	27.40
E(S)	000•0	0.000 0.000 0.000 0.000 0.002	0000	0.000 0.000 0.002 0.002	•
SAL	322 322 322 322 322 322 322 322 322 322	32.013 33.558 33.956 93.900	33.945 33.970 34.059 34.089	34.163 34.231 34.288 34.338	34.417
E(T)	000	0000	0000 •••• 0000 0040	0000	1
TEMP.	9.74 9.75 9.75 9.75	9.76 9.45 8.34 7.55	7.07 6.64 6.19 5.13	4446 4446 4416 4416 4416 4416 4416 4416	3.46 0.00
DEPTH	0000	50 100 150	0000 0000 0000	500 7000 8000	1000
	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  9.74 32.524 25.08 288.9 0.029 6.35 9.75 32.528 25.09 288.8 0.029 6.35 9.75 0.00 32.530 0.000 25.09 288.8 0.058 6.41	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY. E(0 9.74 32.524 25.08 288.8 0.002 6.35 9.75 0.00 32.530 0.000 25.09 288.8 0.0029 6.35 9.75 0.00 32.530 0.000 25.09 288.8 0.0029 6.35 9.75 0.00 32.530 0.000 25.09 288.8 0.0058 6.41 0.00 9.75 0.00 32.550 0.000 25.24 275.4 0.216 6.05 0.00 9.45 0.016 26.10 193.5 0.274 3.92 0.00 7.55 0.00 33.900 0.002 26.50 156.8 0.362 2.71 0.00	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY. E(0 9.75 32.524 25.08 288.8 0.0029 6.35 9.75 9.72 0.00 32.530 0.000 25.09 288.8 0.0029 6.35 9.75 0.00 32.530 0.000 25.09 288.8 0.0029 6.35 9.45 0.00 32.550 0.000 25.24 275.4 0.0145 6.39 0.00 9.45 0.00 33.945 0.002 26.50 147.7 0.438 2.55 0.00 5.53 0.00 25.53 0.00 33.975 0.000 25.81 128.9 0.577 1.77 0.00 5.53 0.00 25.23 0.00 25.23 0.00	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY. E(0 9.75 32.524 32.524 25.08 288.9 0.029 6.35 6.41 9.75 9.75 0.00 32.528 0.000 25.09 288.8 0.058 6.41 0.0 9.75 0.00 32.558 0.000 25.09 288.8 0.058 6.41 0.0 9.45 0.00 32.558 0.006 25.24 275.4 0.087 6.40 0.0 9.45 0.00 33.546 0.006 25.24 275.4 0.216 6.39 0.0 0.0 0.00 33.546 0.002 26.50 147.7 0.438 2.55 0.0 0.0 0.002 26.69 147.7 0.438 2.55 0.0 0.0 0.002 26.89 147.7 0.438 2.55 0.0 0.0 0.002 26.89 147.7 0.0702 1.15 0.00 0.003 34.288 0.000 26.91 119.7 0.010 0.34. 288 0.002 27.23 91.2 0.010 0.34.288 0.002 27.23 91.2 1.003 0.34.288 0.002 27.23 91.2 1.003 0.348 0.002 27.23 91.2 1.003 0.348 0.00 0.002 27.23 91.2 1.003 0.348 0.002 27.23 91.2 1.102 0.028 0.00

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		PROD-S											
		PR00-1	0.55	50.00	i i	66.0	,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					
	20	CHL-A	000	0	(	0.50	!	•					
	WEA	NITR.											
	SDG 1463 RELHU 86 1 10, 07	SIL.											
UES	43	PHOS.											
OBSERVED VALUES	6 125-21V 6 WET 01R	• YXO	6.38	6.38	6.36 6.36	6.36	6.34	4.72 4.30	3.57	3,22	2.35	00 9.3 8.4	0.58
OBSER	45-58N LONG DRY 10.6 R SWL	SIGMA-T	25.06	25.07	25.07	25.07	25.07	25.59 25.95	26.32 26.43	26.51 26.51	26.74	27.00	27.48
275-033	1/22/61 HR 11 LAT 45- BA 13 CL AMT 2 DIR 11 SEA DIR	SAL.	32,510	32,514	32,516 32,518	32,522	32.524	33.186 33.503	33.724	33.871 33.891	33.973	34.299	34.476
STATION		TEMP.	9.83	9.81	9.82 9.82	9.84	9.82	9.82 9.14	<b>1</b> .00	7.30	4	040 040 044	3.12
		DEPTH	00	10	000	30	80 0	77 74 8		166 189	284	721	1205
	DATE SECDI WVEL	CAST	N	N	ณณ	N	N	ุดด	NN	W-			
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-,	STATION		275-033 IN	INTERPOLATED	AND	COMPUTED \	VALUES	•	
TEMP.		E(T)	SAL.	E(S)	SIGMA-T	SP.VOL.	GEOPOT.	• XXO	E(0)
9.83 9.83 9.82 9.82		. 00•0	32.500 32.500 32.5014 32.5016	000 • 0	25.00 25.00 25.00 70.00 70.00	2901 2901 2900 88	0000	6.38 6.38 6.38 6.38	00.0
9 • 83 9 • 84 7 • 4 4		0000	32.483 33.108 33.577 33.829	0.027 0.0015 0.0015	255 255 255 255 255 255 255 255 255 255	293.9 248.2 197.5 160.5	0.146 0.214 0.270 0.359	044 0004 0004	0000 0000 0484
6.97 6.01 6.10 6.10		0000	33.980 33.963 33.963 34.078	0.0013 0.0013 0.002	26.59 26.69 26.76 26.91	148 1398 1399 1009	0.436 0.508 0.576 0.703	2000 1000 1000 1000 1000	0000 0000 0000
5.08 44.49 6.18		0000	34.162 34.220 34.288 34.388	0000	27.02 27.11 27.19 27.26	110.1 102.2 95.6 89.1	0.818 0.924 1.023 1.115	00 00 00 00 00 00 00 00 00 00 00 00 00	0000
3.57 3.13		00.00	34.420 34.475	00000	27.39	7.47	1.282	0.40	00.0

		PROD-S	3.26										
		PROD-1	0.76	•	0		0	0					
	N <b>0</b> 0	CHL-A	0.15	0	,		6	71.0					
	WEA 02 9 VIS 8	NITR.											
	SDG 1317 RELHU 89 A 00, 03	SIL											
UES	125-04W SD WET 9.8 RE DIR 12 WA 0	PH0S.											
OBSERVED VALUES	3 WET	0XY•	6.36	6.37	6.37 6.36	6.32	5.86	4 • 30 3 • 89	3.42	3.11 2.94	20.00	0.35	0.56
OBSER	06N LONG DRY 10.8	SIGMA-T	25.02	25.02	25.02 25.02	25.04	25•32	25.85 25.99	26.17	26.47 26.56	26.74	27.21	27.48
275-034	LAT 46-06N AMT 0 DRY 1 DIR 14 SI	SAL.	32,485	32.486	32.488 32.482	32,499	32,802	33,529 33,627	33.724	33.863 33.912	34.001	34 301 34 426	34.479
STATION	HR 14 14 CL 14 SEA	TEMP.	96.6	96•6	9.94 9.93	8.95	8.62	9.87	000	7.20	38	40 40 40	3.07
	1/22/61 BA 2 DIR	DEPTH	00	100	980		58	77 77 6	014	171	90	738 1033	1229
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	E(0)	00.0	0 0 0 0 0 0 0 0 0 0 0	0000	0000	0.01
	0XY•	6.34 6.34 6.34 6.34	6.15 9.40 9.40 9.00 9.00	28 0.0 1.0 0.0 0.0 0.0 0.0 0.0	00.000	0.38
VALUES	GEOPOT.	000000	0.147 0.210 0.263 0.355	0.435 0.508 0.578 0.707	0.828 0.939 1.041	1.304
COMPUTED V	SP.VOL.	2994 2995 2995 295 205	281 •8 222 •6 202 •1 166 •9	152 141 135 124 124 124	116.1 106.5 97.6 90.1	78 <b>•6</b> 70•1
AND	SIGMA-T	200 PP P	25•17 25•79 26•01 26•39	26.55 26.67 26.74 26.86	26.96 27.07 27.17 27.25	27.38
INTERPOLATED	E(S)	0.001	0.000 0.000 0.000 0.001	0000 0000 0000 0000 0000	000000000000000000000000000000000000000	0.001
	SAL	32.485 32.486 32.486 32.488	32.627 33.457 33.640 33.802	33.915 33.976 34.004 34.067	34.124 34.200 34.274 34.334	34.416 34.473
N 275-034	E(T)	00 • 0	0000 •••• 0000 4000	000M 0000 0000	0000	00.00
STATION	TEMP.	0000 0000 0000 0000	9.74 9.85 9.38 7.75	7.23 6.76 6.35 5.78	0.44 0.44 0.44 0.63	3.63 3.13
	DEPTH	3000	50 100 150	2200 4300 000 000	500 700 800	1000

		PROD-S	4.50	Z•20	(	0 28	00.0	) ) )						
		PROD-I	0.82	0 8 9	(	0/•0	0.78	) •						
	0 8 8	CHL-A	0.60	0 31	i	26.0	0.17	) , )						
	WEA VIS	NITR.	5.9	5.8	4.8	6 0 0 4		4.9	17.3	21.6	23.9	9.9	40.1	200
	SDG 870 RELHU 90	SIL	91	0	80	15 0			61	33	33 7	. 4 . G	41	, 0
LUES	124-47W. SD WET 9.9 R DIR 22 WA 0	PHOS.	1.06	0.93	1.00	1.00		1.06	1.67	2.12	2. 18	2.30	2.31	ر ا
OBSERVED VALUES	G 124-	0×Y•	6.36	6.37	6.36	6.34 6.24		6.12	4.68	3.84	3,36	2.80	2.38	- V
OBSER	LAT 46-12N LONG AMT 0 DRY 10.8 DIR 14 SWL 1	SIGMA-T	25.04	25.05	25.04	25.02 25.06		25.11	25.79	26.05	26.25 26.25	26.46	26.65	16.07
350-37 NO	LAT 46- AMT 0	SAL.	32.600	32,598	32,600	32.618 32.669		32,737	33,310	33.578	33.865	33,889	34.009	1+1.+5
NOT A I S	HR 18 15 CL 14 SEA	TEMP.	10.34	10.30	10.36	10.54		10.57	9.1	•	8.38 7.94		7.08	• (
	1/22/61 21 BA 4 DIR	DEPTH	00	100	00	38 38 38	57	58 74	76	121	145	194	290	70 70 71
	DATE SECDI WVEL	CAST	N	a	N	ุดผ	ı	n n	ıa	Q.	ณณ	-		<b>-</b>

		E(0)	00•0	0000 0000 4011	0000	• •
		0XY•	6.34 6.34 6.34 6.34	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	40.0
0 41 - 147	ALOL 3	GEOPOT. ANOMALY	89 00 89 00 89 00 90 00	0.147 0.215 0.274 0.373	0.532 0.532 0.604 0.739	
COMPLITED VALUES		SP.VOL. ANOMALY	292 292 293 293 7.0 7.0	291 • 1 253 • 0 219 • 8 176 • 8	155.9 146.5 126.5 126.0	
CON CATE OND		SIGMA-T	กทุกทุก ขณะถือ ••••• 4000	25.00 25.00 26.00 26.00 20.00	26.52 26.62 26.67 26.85	
TERPON A.		E(S)	0.001	00000	0.022	
		SAL.	322 322 322 322 322 322 322 322 322 322	32.691 33.105 33.344 33.771	33.939 34.006 34.019 34.102	
STATION 275-035	)	E(T)	00 • 0	0000	0000 0000 0000 0004	: :
STATIO	•	TEMP.	001 001 000 000 000 000 000	10.61 10.11 9.10 8.28	7.63 7.26 6.99 6.10	
		DEPTH	9000	50 100 150	888 880 800 800 800	500

		PROD-S										
		PROD-1	1.25	86•0		0.73	0.61			E(0)		00.00
		CHL-A F	0.13	0.23		0 <b>•</b> 39	0•30			• XX0	6.27 6.27 6.26 7.26	66 001 001
	WEA 02 VIS 8	NITR. C					-		ALUES	GEOPOT.	00000	0.148 0.221 0.288
	SDG 142 RELHU 74 1 05	SIL.							INTERPOLATED AND COMPUTED VALUES	SP.VOL.	294•3 294•1 294•4 294•0	294 2894 250 5
UES	33W 22 W/	PH0S.							AND COL	SIGMA-T	250 250 250 250 250 250 250 250 250 250	25.03 25.03 55.03
OBSERVED VALUES	124- WET DIR	• XXO	6.27 6.27 6.27	6.24 6.26 6.26	6.25	6.27	686 486 488	4.41	RPOL A TEC	E(S) SI	MANA	0.0005
OBSE	AT 46-17N LONG AMT 1 DRY 10-6 DIR 14 SWL 1	SIGMA-T	200 200 200 200 200 200 200 200 200 200	25 25 25 25 25 25 25 25 25 25 25 25 25 2	25.03	25.03 25.04	255 250 250 250 250 250 250 250	25.84	INTE	SAL.	598 598 598 595	593 676 085
275-036		SAL.	32.594 32.594 32.596	32.598 32.594 32.592	32,591	32.595 32.597	32.603 32.722 33.085	33.414	275-036	E(T) S	2222 2322 2322 2322 2322 2322 2322 232	0•01 0•01 32 33
STATION	HR 21 5 CL 2 4 SEA	EMP.	000 ••• 444 044	000 444 000	0.40	0.38	0 • 4 1 0 • 3 7 9 • 8 4	9.34	STATION ?	EMP.	0000 444W 6000	0.39 0.41 9.84
<b>U</b> J	1/22/61 BA 1 5 DIR 1	DEPTH T	0 m 0	2020	25 1	4000	525 600 1000 1	125	v	ОЕРТН Т	3000	50 75 100
	DATE SECDI WVEL	CAST			-			~		_		
			Λ	4	_	•	_					

		PRoD-S											
		PROD-I	2.59	2.51		1.42					E(0)	000	00•0
		CHL-A F	69.0	0.37	<b>⊕</b>	0 • 4 2					0XY•	6.44 6.44 6.42 6.32	6.29
	WEA VIS 8	NITR. C			-					VALUES	GEOPOT.	0.000 0.063 0.111 0.147	0.211
	SDG 97 RELHU 1 32	SIL.								COMPUTED V	SP.VOL.	683.9 570.6 386.1 330.3	311.3
ALUES	124-24W SC WET R DIR 22 WA 3	PH0S.									SIGMA-T	20.95 22.13 24.07 24.65	24.86
OBSERVED VALUES	ONG 1	T OXY.	6.78	6.76	6.74	69•9	0 0 0 0 0 0 0 0 0 0 0 0	6.28 45.08 445		INTERPOLATED AND	E(S) (	0.108 0.072 0.001	0.005
	AT 46-21N L AMT DRY DIR 14 SWL	SIGMA-T	20.95	21.13	21.23	21.74	23.59 23.75 24.52 24.60	24.74 24.88 24.96			SAL.	27 162 28 722 31 315 32 092	32•362
275-037	LAT 46 AMT 1 DIR	SAL	27.162	27,394	27.527	28.202	30.654 30.894 31.919 32.025	32.204 32.391 32.503		275-037	E(T)	000	0.00
STATION	HR 23 15 CL 14 SEA	TEMP.	9.52	9.54	9.52	9.64	9.99 10.14 10.32	10.34 10.36 10.38		STATION	TEMP.	9.52 9.71 10.22 10.33	10.36
	1/22/61 3 BA 5 DIR	DEPTH	0-	٩M	4.00	0 O	14 23 27	38 70 70			DEPTH	3000 3000	20
	DATE SECDI WVEL	CAST	-		1	1	нннн						

			PROD-S					
			1-004	1.72	1.86	1 • 38		
	ผูต	Ĩ		- 5 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	0.46	0.42		
	3 WEA 02	Q F	4		7.7	6 0 0 4	• 0 €	7.7
	SDG 38 RELHU 82	SIL	38	38	331	22	28 15	7
LUES	₩ 3	PHOS	1.04	0.88	0.81	1.02	1 • 00 0 • 81	1.03
OBSERVED VALUES	6 124- 4 WET DIR	0XY•	6.74	6.65	6.63 6.58	6.47 6.44	6.34 6.34	6.24
OBSER	-25N LONG 1 DRY 10.4 SWL 1	SIGMA-T	21.25	21.92	22 <b>•14</b> 22•50	23.49	23.82	24.41
STATION 275-038	LAT 46-25N LO 1 AMT 1 DRY 10 0 DIR SWL	SAL	27.574	28.468	28•764 29•243	30.551 30.781	30.977	31.757
STATION	15 CL SEA	TEMP.	9.62	9.79	9 • 85 9 • 92	10.10		10.24
	1/23/61 4 BA 1 DIR	DEPTH	00	m	1065	200 204	88	32
	DATE SECDI WVEL	CAST	<b>-</b>	-		HHH		-

	Ę	
	XXO	66.57 4.03 4.03 4.03
VALUES	GEOPOT.	0000
COMPUTED VALUES	SP.VOL. ANOMALY	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
INTERPOLATED AND C	SIGMA-T	21.25 22.50 23.67
TERPOLA	E(S)	•
	SAL.	27.574 29.243 30.781 31.181
850-5/2 NOTIVIS	E(T)	!
-	TEMP.	9.62 9.92 10.09
	ОЕРТН	3000

	PR0D-S												
	PROD-I	1.46	•	1.85	0.63							E(0)	000
	CHL-A F	.55	•	•59	•25							• XX0	6 6 6 7 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7
WEA OZ VIS B	NITR. CH	8•9	8•0	0 7.4	•	7.0		5.9			VALUES	GEOPOT.	0.000 0.053 0.086 0.117
SDG 47 RELHU 66 1 28	SIL. N	46	45	24	17	11	17 18	10			COMPUTED V	SP.VOL.	704 • 5 351 • 6 309 • 3
ďξ	PHOS.	1.24	1.21	1 • 18	1.27	1.01		1.06		`	AND	SIGMA-T	20 • 73 24 • 43 24 • 87 24 • 92
LONG 124-11W 10.2 WET 7	• XXO	6.74	6.70	6.52	4	6.34	• •	6.23 6.19			INTERPOLATED	E(S) S]	• 038 • 003 • 002
46-10N LON 6 DRY 10• R 20 SWL 1	SIGMA-T	20.73	21.32	23.35	4	24.70	24.92	24.92 24.94			INTE	SAL	855 741 361 0 426 0
LAT AMT	SAL.	26.855	27.632	30.328	•	32•118 32•313	32.421	32.428 32.467			275-039	£.	26 •00 •00 •00 32 •00
HR 04 14 CL 3 20 SEA	TEMP.	9.36	9.49	06.6	•	0.14	• 28 • 28	10.26 10.32			STATION	TEMP. E	9.36 10.26 10.26 0
1/23/61 BA 5 DIR	DEPTH .	00	1W	ហេច៧		486	υv	35			<b>υ</b> ,	DEPTH 1	3000
DATE SECDI WVEL	CAST			<b></b>	٠,								

STATION 275-039

			STATIO	ION 275-040		SERVE	OBSERVED VALUES						
	DATE SECDI WVEL	1/23/61 BA 3 DIR	1 HR 06 14 CL 07 SEA	-	LAT 46-02N LOAMT 0 DRY ODIR 07 SWL	2000 2000 2000	124-06W S WET 8.2 DIR 20 WA	S SDC WA 02	SDG 71 RELHU 80 1 02	WEA 02	αı		
	CAST	DEPTH	TEMP.	SAL.	S1GMA-T		OXY. PH	PHOS.	SIL.	ATIN.	CHL-A	PROD-1	PROD-S
04		00	10.06	32.078	24.6	0	6.45				0.29	1 • 30	
•	1	1W	10.07	32,080	24.69		6.46				0 • 34	1.48	
đ	-	ហ	•	6			į				0.31	1.17	
_		00:	10.40	32.526	24.98		6.44 6.32						
er											0.15	0.68	
		1. 0.0	4.	32.571			727						
	٠.	10 4	10.40	32.573	25.01		6.27						
	-	29	0.4	32.575			27						
		90	10.38	32.570	25.01	1 6	727						
	<b>-</b>	Ç Ç	•	32.576			.27						
													٠
			STATION	V 275-040		TERPOL	INTERPOLATED AND COMPUTED VALUES	ν Ο Ο Ο	PUTED	VALUES			
		DEPTH	TEMP.	E(T)	SAL.	E(S)	SIGMA-T		SP.VOL.	GEOPOT.	• OXY•	• E(0)	
		00	10.06		32.078 32.526		22 44 90 90		326.6 299.1	0000		ശയ	
		000	00	00.0	32.573 32.575	00000	25.01		296.1 296.0	0.062	6.28	8 7 0•00	
		50	10.38	!	32,571	-	- 25.02	a	296.2	0.150	6.27	7	

	PROD-S					
	PROD-1	1.59	0.51		E(0)	
	- 50	0.52	0.31		0XX	6.69 6.47 6.33
WEA 02 VIS 6	8 H I N			ALUES	GEOPOT.	0.000
SDG 37 RELHU 74	SIL.			MPUTED \	SP.VOL.	389•8 337•8 311•4
10 3	PH0S.			INTERPOLATED AND COMPUTED VALUES	SIGMA-T	24 • 02 24 • 57 24 • 85
124 WE DIR	• × × 0 • • 6 • 6 • 6 • 6 • 6 • 6	6.55 6.47 6.44	, wa	RPOLATE	E(S) S]	101010
LAT 45-52N LONG AMT 0 DRY 11.8 DIR 22 SWL 5	S16MA-T 24.02 24.02	24.40 24.57 24.57	• • •	INTE	SAL.	31.222 31.9998 32.388
LAT 45 AMT 0 1 DIR	SAL. 31.222 31.224	31.731 31.998 32.133	32.388 32.545 32.589	275-041	E(T)	<u> </u>
HR 08 16 CL 22 SEA	TEMP. 10.04 10.04	10•16 10•38		STATION	TEMP.	10.04 10.38 10.58
1/23/61 BA 9 DIR	DEPTH 30	1 00 E	0410		DEPTH	500
DATE SECDI WVEL	CAST		<b></b>			

		PROD-S				ţ			
		PROD-I	0.76	0.82	0.71			E(0)	00•0
		CHL-A F	0.40	. 32	0 • 34			• XX0	6.22 6.22 6.27 6.27
	WEA 03 VIS 6	NITR. CF	0 0	0	0	÷	ALUES	GEOPOT.	00000
	55 LHU 76	SIL·N					AND COMPUTED VALUES	SP.VOL.	293 293 294 204 204 204 204
LUES	124-13W SDG WET 9.5 RE DIR 18 WA	PH0S.					D AND COM	SIGMA-T	255 255 255 255 255 255 255 255 255 255
OBSERVED VALUES	NG 124-	• YXO	6.26 6.26	6.25 6.27 6.27	6.27 6.27 6.27	6.26 6.25	INTERPOLATED	E(S) S	4000
OBSE	5-57N LONG 6 DRY 11.7 18 SWL 5	SIGMA-T	25.04 25.03	25.03 25.04 25.03	25.03	25.04 25.03	INTER	SAL. E	32.616 32.619 32.611 32.600
275-042	LAT 45 AMT 6 2 DIR	SAL.	32•616 32•611	32.614 32.619 32.614	32.611 32.706¥ 32.615	32.616 32.614	275-042	E(T) S	325
STATION	HR 11 17 CL 6 18 SEA	TEMP.	10•46 10•46	10.48 10.48	10.46 10.47 10.46	10.44	STATION	TEMP. E	0000 •••• 4444 0800
3,	1/23/61 BA 7 DIR	DEPTH	OW4	A0WR	0410	39	U)	DEPTH 1	3800
	DATE SECDI WVEL	CAST			HH H				

STATION 275-043 OBSERVED VALUES  DATE 1/23/61 HR 14 LAT 46-05N LONG 124-32W SDG 133 WEA 50 SEC 13 WEA 50 SEC 1 M 14 LAT 46-05N LONG 124-32W SDG 133 WEA 50 WELL 1
E 1/23/61 HR 14 LAT 46-05N LONG 124-32W SDG 133 DI B A 17 CL 6 AMT 8 BNY 11:1 WET 10.5 RELHU 93 T DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL.  1 DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL.  2 10.35 32.591 25.04 6.31 13 10.34 32.591 25.04 6.31 15 10.34 32.596 25.04 6.31 15 10.34 32.596 25.04 6.33 24 10.36 32.602 25.04 6.32 24 10.36 32.602 25.04 6.32 29 10.36 32.602 25.04 6.32 29 10.36 32.602 25.04 6.32 29 10.36 32.602 25.04 6.32 29 10.36 32.602 25.04 6.32 29 10.36 32.602 25.04 6.32 29 10.36 32.602 25.04 6.32 29 10.36 32.602 25.04 6.32 29 10.36 32.602 25.04 6.32 29 10.36 32.602 25.04 6.32 29 10.36 32.602 25.04 6.32 29 10.36 32.503 25.04 6.25 29 10.36 32.503 25.04 6.25 29 10.36 32.503 25.04 6.25 20 10.38 32.772 25.073 2.500 20 20 30 32.500 0.000 25.04 292.9 20 10.35 33.111 25.594 292.9 20 10.35 32.500 32.500 25.04 292.9 20 10.35 0.00 32.500 0.000 25.04 292.9 20 10.38 0.00 32.500 0.000 25.04 292.9
E 1/23/61 HR 14 LAT 46-05N LONG 124-32W BA 17 CL 6 AMT 8 DRY 11:1 WET 10.55 LO EDIT 18 SEA 1 DIR 18 SWL 1 DIR 25 WA 10:36 32.608 25.05 6.32 LO EDTT 10:36 32.608 25.05 6.32 LO EDTT 10:34 32.591 25.04 6.31 LO EDTT 10:34 32.591 25.04 6.31 LO EDTT 10:34 32.596 25.04 6.32 LO EDTT 10:34 32.596 25.04 6.32 LO EDTT 10:34 32.599 25.04 6.32 LO EDTT 10:34 32.599 25.04 6.32 LO EDTT 10:36 32.602 25.04 6.32 LO EDTT 10:36 33.111 25.554 4.95 LO EDTT 10:38 32.772 25.17 5.95 6.25 LO EDTT 10:38 32.772 25.17 5.95 6.25 CO LO EDTT 10:38 32.772 25.17 5.90 CO EDTT 10:38 32.772 25.04 4.95 CO EDTT 10:38 32.772 25.04 4.95 CO EDTT 10:38 32.599 CO EDTT 10:38 SIGMA-T 10:38 32.599 CO EDTT 10:38 32.599 CO EDTT 10:38 CO EDTT 1
E 1/23/61 HR 14 LAT 46-05N LB BA 17 CL 6 AMT 8 DR 18 LB SEA 1 DIR 18 DR 18 LB LAT 46-05N LB
E 1/23/61 HR 14 LAT 46-05N LB BA 17 CL 6 AMT 8 DR 18 LB LAT 46-05N LB
E 1/23/61 HR 14 LAT 6 BA 17 CL 6 AMT 7 CL 6 AMT 7 CL 6 AMT 7 CL 6 AMT 7 CL 6 AMT 6 SEA 1 DIF 18 SEA 1 DIF 19
STATION  STATION  STATION  STATION  SEA  SEA  SEA  SEA  SEA  SEA  SEA  SE
DEPTH  DEPTH  100  100  100  100  100  100  100  1
C A VECTOR IN I I I I I I I I I I I I I I I I I I

		PROD-S	4. 56.	3.46	(	0.82	0	00.0					
		PR0D-1	0.62	† 0 • 0	i	4.0		51.0					
	m vo	CHL-A	00	77.0		50	0	0					
	WEA 03	NITR.	1	0	(	0	Ċ	D •					
	SDG 2012 RELHU 92 A 10++ -	SIL.	-	2		1	Ċ	Q V					
_UES	125-21W SD WET 10.7 RI DIR 25 WA 1	PH0S.		500	•	† 0	•	<b>*</b>					
OBSERVED VALUES	4 WET	oxy.	6.41	6.38	3 4 4 0 0	6.41	6.34	4.46 3.78	3.62	2.68 2.58	1.68	350	0.97
OBSER	-26N LONG DRY 11.4	SIGMA-T	25.04	25.06	25.07 25.06	25.06	25.06	25.86 26.20	26.32	26.56 26.56 56.56	26.75	27.21	27.60
275-044	3 LAT 46-26N LOS AMT 5 DRY 1 A 3 DIR 18 SWL	SAL	32,516	32,518	32,520 32,513	32,518	32.513	33.283 33.622	33,717	33.986 33.986	34.005	34.288	34 .552 34 .599
STATION	20 CL 18 SE	TEMP.	6.97	9.88	9.84 9.82	9.84	9.82	8 • 62 8 • 08	L. R	7.26	• •	4.00 0.00 0.00	2.0 2.0 9.0 9.0
	1/23/61 BA 3 DIR	DEPTH	00	100	007	36	50	94 98 98	04	171	O 00	1031	1571
	DATE SECDI WVEL	CAST	4	4	44	4	4	44	44	14-		0	ოო

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	E(0)	00	00000	0000 •••• 0000 1400	0000	000
	• XX0	6.38 6.38 6.40 6.42	00.00 00.00 00.00	2.54 2.10 1.61 1.01	0000 04 m n 04 m 0	0.00
VALUES	GEOPOT. ANOMALY	000000000000000000000000000000000000000	0.147 0.212 0.264 0.349	0.4420 0.5496 0.5644 0.692	0.809 0.918 1.019	1.280
COMPUTED	SP.VOL. ANOMALY	292 -7 291 -4 290 -8 291 -2	296.6 229.5 182.6 158.2	145.9 137.9 133.2 122.3	11.3 104.9 4.4 896.3 0.0 0.0	78.9 70.4
AND	SIGMA-T	22 22 20 20 20 40 40 40 40 40 40 40 40 40 40 40 40 40	25.01 25.72 26.22 26.48	26.59 26.67 26.76 26.89	26.99 27.09 27.18 27.26	27.38 27.47
INTERPOLATED	E(S)	000•0	0.035 0.026 0.005	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000
	SAL.	322 322 322 510 323 510	32.465 33.151 33.636 33.867	33.946 33.979 34.011 34.075	34.141 34.207 34.260 34.324	34.400
N 275-044	E(T)	00•0	0000 0000 0000 0400	000000000000000000000000000000000000000	0000	000
STATION	TEMP.	9.97 9.88 9.88 9.82	9.91 8.83 7.47	7.15 6.72 6.24 5.66	0444 081 081 081 081	3.62
	DEPTH	9000	50 100 150	0000 0000 0000	8 4 8 9 9 9 9 9 9 9	1200

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		PROD-S										
		PROD-1	000	0.80	(	06•0		0.00				
	<b></b> 00	CHL-A	0.34	4.0		0.27	,	21.0				
	WEA OI	NITR.	5.9	9•9	0.0 0.4	6.8	9•6	13.8 16.3	20.1	ວໍທໍ		
	SDG 2149 RELHU 96 1 15, 10	SIL	11	σ	10 10	10	13	17	38	გ გ	66 181 133	137
OBSERVED VALUES	125-40W WET 9.7 DIR 21 W	PHOS.	1.06	0.88	0.87 0.95	96.0	1.04	1.48	2.08 2.26	2.27	0000 0000 0400	2.88
		oxy.	6.36	6.35	6.34 6.34	6.32	5.66	5.06 4.62	3.00 9.00 9.00	3.00 2.60	-00 00 00 00 00 00 00 00 00 00 00 00 00	0.82
OBSER	16-36N LONG 2 DRY 10.0	SIGMA-T	25.06	25.06	25.06 25.07	25.07	25.30	25.68 25.94	26.21 26.38	ŵ	26.73 26.95 27.18 27.38	27.58
275-045	LAT 4	SAL.	32,566	32,571	32.568 32.567	32,566	32.899	33.270 33.367	33.673	33.877 33.920	34.006 34.126 34.264 34.416	34,539
STATION	HR 03 24 CL 6 SEA	TEMP.	10.12	10.10	10.08	10.06	10.18	9.65 8.52	8 • 28 7 • 88	•42 •36	0.04 E 0.04 E 0.04 E 0.04 E 0.04 E	2 • 58
	1/24/61 BA DIR	DEPTH	00	104	000	36	58	977	120		293 474 711 996	1517
	DATE SECDI WVEL	CAST	N	N	ผผ	ณ	N.	พพ	พพ	N		

						•
	E(0)	00.0	0000	00000	0000	000
	• XXO	9999 9999 9899 9899	0.4 0.4 0.4 0.4 0.4 0.4	2.78 2.37 1.91 1.31	0000 8000 8000 8000 8000	0.36 0.48 0.80
VALUES	GEOPOT.	0.000 0.030 0.059	0.145 0.210 0.265 0.358	0.436 0.508 0.577 0.707	0.826 0.935 1.036 1.130	1.298 1.446 1.642
COMPUTED \	SP.VOL.	291.4 290.9 291.0 291.0	280.9 237.1 205.6 165.1	148.4 139.7 135.7 123.8	114•2 105•1 97•0 89•9	78•2 69•8 61•1
AND	SIGMA-T	255 255 255 255 255 255 255 255 255 255	25.18 25.64 25.98 26.41	26.59 26.69 26.74 26.87	26.98 27.08 27.17 27.25	27.39 27.48 27.57
INTERPOLATED	E(S)	0.002	0.016 0.005 0.007 0.001	0.0011 0.0013 0.0000	000000000000000000000000000000000000000	0.0000
	SAL.	32.566 32.571 32.568 32.568	32.720 33.236 33.406 33.829	33.930 33.986 34.011 34.081	34.142 34.201 34.258 34.315	34.417 34.479 34.537
N 275-045	E(T)	00•0	0000	0000 0000 0000 0000	0000	000
STATION	TEMP.	100 100 100 00 00 05	10 • 16 9 • 73 8 • 46 7 • 77	7.05 6.64 5.81	0.44 0.44 0.10 0.10	3.60 3.15 2.61
	DEPTH	3000	100 100 150	220 3000 000 000	8 000 8 000 8 000	1000 1200 1500

		PROD-S										
		PR0D-1	0.55	0	,	0.03	ć	0				
	n. N-	CHL-A	0.31	0 0 0	,	0.00	ć	0 9 3				
	WEA 01 6 VIS 5	NITR.										
	SDG 988 RELHU 96 A 08,	SIL										
-UES	09W SI 10•1 F	PH0S.										
OBSERVED VALUES	4 WET 10-1 DIR 47 WA	oxy.	6.40	6.38	6.34 6.34	6.34	6.34	4.89 4.17	3.64	3.02	0.00 0.00 0.00 0.00 0.00	
OBSER	LAT 46-39N LONG AMT 2 DRY 10.4 DIR 11 SWL 1	SIGMA-T	25.06	25.06	25.06 25.06	25.06	25.07	25•66 25•98	26.19	26.43 26.56	26.72	0 0
ON 275-046	3 LAT 46- 6 AMT 2 A 1 DIR	SAL.	32.514	32.511	32.512 32.514	32,518	32,516	33,332 33,473	33.648 33.780	33,839 33,923	34 • 114 34 • 114	24 27 27 27 27 27 27 27 27 27 27 27 27 27
STATION	24 CL 11 SE/	TEMP.	9.85	9.84	9.84 9.82	9.84	9.82	10.04 8.76	8•29 8•01	งูง	00.4 00.4 04.0	•
	1/24/61 BA 1 DIR	DEPTH	00	100	080		90	94 94 96	123	<b>~</b> ∞	294 488 731	. 0
	DATE SECDI WVEL	CAST	a	a	ผผ	N	a	ดผ	พพ	<b>0</b> -	erd erd er	• -

E(0)	00•0	00000	0000 0000 4401	000
oxv.	00000 0000 0000 0000	0046 •••• 4111 4440	2.76 2.37 1.96 1.40	0.99
GEOPOT.	000000000000000000000000000000000000000	0 • 146 0 • 214 0 • 270 0 • 364	0.445 0.519 0.589 0.720	0.840 0.950 1.051
SP.VOL.	291.0 291.3 291.4 291.1	295.2 244.8 204.0 171.0	152.7 143.3 136.5 125.2	115.3 105.5 96.7
SIGMA-T	0000 0000 0000	2000 2000 2000 2000 2000 2000 2000 200	26.55 26.65 26.73 26.86	26.97 27.08 27.18
E(S)	000•0	000000000000000000000000000000000000000	0000	0000
SAL.	32.514 32.511 32.511	32.463 33.198 33.481 33.788	33.911 33.967 34.005 34.065	34.122 34.188 34.253 34.312
E(T)	00•0	0000	0000 •••• 0000 4001	0001
TEMP.	0000 0000 0000 0000	9.82 10.04 8.73 7.97	7.86 6.81 5.83 5.83	0444 0444 0440 0844
DEPTH	3000	1000 1000	0000 0000	500 7000 800
	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  9.85 9.84 9.84 9.84 9.84 9.82 0.00 32.514 25.06 291.0 0.000 6.40 9.84 9.89 9.82 0.00 32.514 0.000 25.06 291.4 0.059 6.34 9.88	TEMP.       E(T)       SAL.       E(S)       SIGMA-T       SP-VOL       GEOPOT.       OXY.         9-85       32-514       25.06       291.0       0.000       6.34         9-84       32-514       25.06       291.0       0.000       6.34         9-82       0.00       32-514       0.00       25.06       291.4       0.059       6.34         9-82       0.00       32-514       0.000       25.06       291.1       0.059       6.34         10.04       0.03       32-514       0.037       25.03       295.2       0.146       6.44         10.04       0.03       33-198       0.003       25.56       244.8       0.214       5.14         8-73       0.00       33-788       0.002       25.99       171.0       0.364       3.15	TEMP.       E(T)       SAL.       E(S)       SIGMA-T       SP-VOL       GEOPOT.       Oxy.         9-85       32-514       25.06       291.0       0.000       6.34         9-84       32-514       25.06       291.0       0.000       6.34         9-82       0.00       32.514       0.000       25.06       291.1       0.003       6.34         9-82       0.00       32.514       0.000       25.06       291.1       0.059       6.34         10.04       0.03       32.514       0.003       25.06       291.1       0.059       6.34         10.04       0.03       33.481       0.003       25.56       244.8       0.214       5.14         8.73       0.01       33.481       0.002       25.99       171.0       0.364       3.15         7.26       0.00       33.911       0.011       26.55       143.3       0.519       2.76         6.46       0.00       34.005       0.000       26.55       143.3       0.519       1.40         6.86       0.00       34.005       0.003       26.55       0.720       1.40

		PROD-S	7.50						
		PROD-I	1 • 38	1 • 0 ?	(	0.88	:	0	
	ญง	CHL-A	0.23	0•33		0 • 46	:	• • • • • • • • • • • • • • • • • • • •	
	WEA 02	α H Z							
	SDG 201 RELHU 91	SIL							
LUES	124-48W SD WET 8.2 R DIR 27 WA 1	PHOS.							
OBSERVED VALUES	6 124- 9 WET DIR	• ×× o	66.00 64.00 64.00	6.38 6.32 6.32	6.33 6.29	6.29	6.28	5.55 4.89	4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	46-44N LONG 8 DRY 8.9 R O5 SWL 1	SIGMA-T	225 255 255 05 05	22 20 0 0 0 0 0 0 0 0 0	25.05 25.05	25.05	25.05	25.40 25.74	0.000 0.000 0.000 0.000 0.000
275-047	S LAT	SAL.	32.558 32.553 32.564	32.554 32.557 32.551	32,552 32,555	32,559	32,576	32,966 33,323	33,559 33,690 33,813 33,871
STATION	1 HR 13 23 CL 05 SEA	TEMP.	100	100 100 100 121	10.10	10.12	10.18	9.93 9.56	8.74 8.20 7.96 7.76
	1/24/6 BA 5 DIR	DEPTH	OM 40	8 110	40.			74 74 98	122 147 168 193
	DATE SECDI WVEL	CAST	<i>เ</i> นน	ดดด	พพ	Ŋ	8	<b>~</b> =	NHHH

	E(0)		0 0 0	000
	oxx.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.33 6.33 6.33 6.33	5.64 3.41
/ALUES	GEOPOT.	0000	0.059 0.088 0.147	0.217 0.278 0.379
COMPUTED VALUES	SP.VOL.	00000 00000 00000 00000	0000 0000 0000 0000 0000	264 • 4 225 • 0 179 • 6
INTERPOLATED AND C	SIGMA-T	กกกก ชื่อของ •••• 000 ชื่อ ชื่อ ชื่อ ชื่อ ชื่อ ชื่อ ชื่อ ชื่อ	20000 0000 0000 4000	25•35 25•77 26•26
TERPOLA	E(S)		0.000	0.007 0.001 0.002
	SAL.	32.05 32.05 32.05 32.05 32.05 32.05 32.05 32.05 32.05	32.551 32.555 32.555 32.555	32.918 33.348 33.709
STATION 275-047	E(T)		0.00	000
STATIO	TEMP.	0000	10.12 10.09 10.12	9.97 9.49 8.16
	DEPTH	0000	90 90 90 90	75 100 150

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	31 - 4 - 0	SIA110N 2/5-048	Z	FREDLA	INTERPOLATED AND COMPUTED VALUES	OMPUTED	/AL.UES		
DEPTH	1 TEMP.	E(T)	SAL.	E(S)	E(S) SIGMA-T	SP.VOL.	GEOPOT.	• XXO	E (0
00	10.18		32.428 32.429		24.94	302 303 603	00000	6.40 380	
00	10•30 10•32	00•0	32.582 32.602	0.001	25.04 25.05	293.5 292.5	0.061	6.28	0.0
ç	50 10-36 0-01	10.0	32-617 0-002	000	26,08	000	2		(

	PROD-S							
	PROD-I	8 9 9 83	7.26				E(0)	
	CHL-A F	0.58 0.46	0.59				0XY•	6.79 6.50 6.26
WEA 03	NITR. CF	00	0 0			ALUES	GEOPOT.	0.0000
38 LHU 96	SIL. N					PUTED V.	SP.VOL.	605.7 481.9 373.2
3W SDG 6.7 RE	PH0S.					INTERPOLATED AND COMPUTED VALUES	SIGMA-T S	23.06 23.06 24.20
16 124-13W S 0 WET 6.7 0 DIR 24 WA	• <b>XX</b> 0	6.79	6 64 65 65 65 65 65 65 65 65 65 65 65 65 65	9999 4001 9000		POLATED	E(S) SI	พพพ
50N LONG DRY 7.0 6 SWL 2	SIGMA-T	21.76	22,38	23.08 24.20 24.73 24.81		INTER	SAL. E	28.160 29.945 31.486
LAT 46-50N LY AMT 7 DRY 2 DIR 06 SWL	SAL.	28.170	29.021	30.778 31.486 32.199 32.306		275-049	E(T) S	28 29 31
HR 18 3 CL 6 6 SEA	TEMP.	9.36	60 86	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		STATION 2	TEMP. E	9•31 9•86 0•21
1/24/61 3 BA 2 5 DIR 0	DEPTH T	o-m	4.000	2008 2048 111		σ	DEPTH T	200
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STATION 275-049

6.80 6.33 6.33

0.000 0.055 0.095

632.9 464.7 349.6

900

	PROD-S	22•30 8•02	0.98				
	PROD-I	7•21 5•16	3.66				E(0)
۵۱۸	CHL-A	2.00	0.91	,			• OXY•
SDG 37 WEA 02 RELHU 97 VIS 7	NI TR					VALUES	GEOPOT.
DG 37 RELHU 9	SIL	4 <b>4</b> 64	40 35			OMPUTED	SP.VOL.
18W SI 6.55   25 WA	PHOS.	1.09	1.15			INTERPOLATED AND COMPUTED VALUES	SIGMA-T
16 124- 7 WET	oxy.	6.80	00. 00. 04.	6.41 6.33 6.18		POLATE	E(S) S
20 LAT 46-57N LONG 124-18W S CL 6 AMT 7 DRY 6.7 WET 6.5 SEA 2 DIR 06 SWL 2 DIR 25 WA	SIGMA-T	22.09	22°51 23°51 24	23 • 86 24 • 45 24 • 83 24 • 83		INTER	SAL. E
LAT 46- 6 AMT 7 2 DIR	SAL.	27,785	29.177	30.999 31.805 32.298 32.387		STATION 275-050	E(T) S
£ 29	TEMP.	9.42	9•57 9•57	9.98 10.21 10.23 10.38		STATION	TEMP.
1/24/61 4 BA 9 DIR	DEPTH	0-n	N 40	-000 0046			DEPTH
DATE SECDI WVEL	CAST	<b>-</b> -					

OBSERVED VALUES

STATION 275-050

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	PROD-S										
	PROD-I	200	) •	6	74.7	1,33				E(0)	
	CHL-A F	1 • 49	0	,	• •	0.47				• 0XY•	6.57 6.57 6.54
WEA 03	NITR.	6.4	6.4	13.6	6. 6. 6.	7.6	4 4 4		VALUES	GEOPOT. ANOMALY	0 0 0 0 0 0 0 0 0 0 0 0 0
SDG 38 RELHU 91 A 04	S1L.	37	37	33	30	24	21 22		INTERPOLATED AND COMPUTED VALUES	SP.VOL.	599 • 0 507 • 2
124-22W SE WET 7.2 F DIR 25 WA (	PHOS.	1.09	1.12	1.91	1.11	1 • 08	1.10		D AND CC	SIGMA-T	21.83 22.79 23.42
9	• ××0	6.71	6.72	99•9	6.57 6.54	6.54	6.44 6.22		RPOLATE	E(S) S	
DRY B.1	SIGMA-T	21.83	21.84	22.21	22.79 23.01	23.42	23.81 24.49		INTE	SAL.	28.255 29.562 30.413
LAT 47-12N LON 0 AMT 7 DRY 80 2 DIR SWL 2	SAL.	28•255	28,259	28,764	29.562 29.844	30.413	30.913 31.844		ON 275-051	E(T) S	3,00
HR 22 CL C SEA	TEMP.	9.28	9.26	9.42	9.65	•87	9.90 10.13		STATION	TEMP. E	9.28 9.65 9.85
1/24/61 6 BA 01R	DEPTH	00	ıω	·οα	100	20	40 40			DEPTH	000
DATE SECDI WVEL	CAST	-	<b>-</b>	-		-					

		PROD-S							
		PROD-I	1.67	1.75		1 • 68	,	06•0	
	ଅବ	CHL-A	0.34	0.32		0.47		0.61	
	WEA 0	AT IA							
	SELHU 3	PHOS. SIL.							
UES	36W SE 7.2 F	PHOS.							
OBSERVED VALUES	G 124-	oxy.	4.4 0.4	•	6.38 6.34	6.29	6.29 6.28	6.32	6.32
	.00 LAT 47-11N LONG 124-36W SDG 79 WEA 02 CL 6 AMT 7 DRY 7.9 WET 7.2 RELHU 91 VIS 6 SEA 1 DIR 07 SWL 1 DIR 23 WA 00	SIGMA-T	24 44 683 683	)	25.00	25.04	25.04 25.06	25.06	25.06 25.07
ON 275-052	6 AMT 7	SAL.	32.289		32,331 32,527	32,584	32,582 32,585	32,581	32,563 32,575
STATION	21 07	TEMP.	10.15	;	10.18 10.26	10.32	10•27 10•18	10.15	10.06
	1/25/61 10 BA 5 DIR	DEPTH	OM	4	90	4 C	041	56	33 23
	DATE SECDI WVEL	CAST		,		<b>-</b>		<b>.</b>	

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	6		0	;
	E(0)		000	i
	0XY•	6.00 0.00 0.00 0.00	6.32	6.32
/ALUES	GEOPOT.	0.000	060.0	291.3 0.148
COMPUTED VALUES	SP.VOL.	312.4 296.7 293.0	291 • 4	291.3
INTERPOLATED AND C	E(S) SIGMA-T	224 225 200 800 800 800	25.06	25.07
TERPOLA			00000	1
	SAL.	32,289 32,527 32,582	32.579	32,562
STATION 275-052			00•0	1
STATIO	DEPTH TEMP. E(T)	10.26	10.14	10.03
	DEPTH	0000	30	50

		PROD-S												
		PROD-I	1.08	1.12		1 • 24	,	0.63				E(0)	00•0	0000
		CHL-A P	1 • 00	96•0	•	40.0	!	4				0XY•	6.33 6.41 6.41	6.00 5.00 3.00 3.00 3.00 3.00
	WEA 01	NITR. C	-	0	•	,	`	,			VALUES	GEOPOT.	00000	0.147 0.218 0.282 0.388
	SDG 183 RELHU 88 1 03, 07	SIL. N									AND COMPUTED V	SP.VOL.	296.2 296.9 292.4 291.5	291.6 272.7 239.4 186.3
VALUES	124-56W SD WET 7.2 R DIR 26 WA 0	PH0S.										SIGMA-T	25.01 25.00 25.05 25.05	25.06 25.27 25.62 26.19
OBSERVED VA	LONG 124- 8.1 WET	• vxo .	6.33		6.34 6.33	6.41	6.41 6.41	6.38	6.30 6.30 6.30 6.30 6.30 6.30 6.30 6.30	3.14	INTERPOLATED	E(S) 3	000000	0.0010
	47-10N LC F 2 DRY E IR 05 SWL	SIGMA-T	25.01		25.00	25.02	25.05 25.06	25.06	255 255 255 255 255 255 255	25.97 26.16 26.32		SAL.	32.541 32.529 32.553 32.559	32.557 32.760 33.140 33.666
275-053	LAT 1 D	SAL.	32.541		32.531 32.529	32,531	32,553 32,556	32,558	32,566 32,576 32,832 33,106	33.477 33.641 33.818	1 275-053	E(T)	00	0001
STATION	20 CL (	TEMP.	10.30		10.30	10.18	10.10	10.06	10.02 10.02 9.73 9.44	888 ••• 846 840	STATION	TEMP.	100.00 100.10 100.00	00.00 00.00 00.00 00.00
	1/25/61 BA 5 DIR	DEPTH	OM	4	200		041		9 9 9 9 9 9	122 147 166		DEPTH	9000	50 100 150
	TE COI	ST				-	20	ď	ดดดด	ดดด				

		PROD-S						٠				
		PROD-1	0.72	60.0	,	0.00	0	N N O				
	ผูง	CHL-A	0.38	05.0		0 4 0		0 1 0				
	WEA 02 3 VIS 6 18	δ. T. Z.									•	
	SDG 1463 RELHU 88 A 25, 27, 1	SIL										
UES	125-20W SE WET 7.2 R DIR 24 WA 2	PHOS.										
OBSERVED VALUES	G 125-7 1 WET DIR	• Y X O	6.42	6.41	6.4 6.4 11	6.41	6.37	5.69 4.41	3.83	3.15 3.15	2.37 1.40 0.78	
OBSER	LAT 47-13N LONG AMT 0 DRY 8.1 DIR 09 SWL 2	SIGMA-T	25.07	25.07	25.07 25.08	25.09	25.10	25•41 25•93	26.14	26.46 26.46 74.46	26.68 27.08 27.08	27.45
ON 275-054	LAT 47.	SAL.	32.537	32.540	32.542 32.551	32,557	32.569	32.814 33.316	33,551	33.844 33.823	33.969 34.056 34.187	34.456
STATION	HR 07 19 CL 09 SEA	TEMP.	9 • 88	9.88	9.90	9.88	98•6	9•12 8•30	- T	7.48	50.00 20.00	•
	1/25/61 BA 8 DIR	DEPTH	00	10	200	36	28	97 77 97	120	168	257 385 599 7	1162
	DATE SECDI WVEL	CAST	ო	ю	ოო	m	ო	ოო	m m	n m	01 01	1 0

	E(0)	0.00	0000	0000	0000 0000 4011	!
	• XXO	0000 04444 01111	6.43 9.31 3.19	2.77 2.41 2.01 1.33	00 00 00 00 00 00 00 00	0.47
VALUES	GEOPOT.	0.000 0.029 0.058 0.087	0.145 0.215 0.273 0.367	0.446 0.520 0.589 0.718	0.836 0.946 1.046	1 • 309
COMPUTED \	SP.VOL.	289.8 289.7 290.1 289.2	290 • 3 263 • 1 206 • 2 167 • 4	151 142 134 123 5	113.4 104.7 97.0 90.1	78.9
INTERPOLATED AND C	SIGMA-T	25.07 25.07 25.07 25.08	25.08 25.37 25.97 26.39	26.56 26.67 26.75 26.87	26.99 27.09 27.17 27.25	27.38
TERPOLA'	E(S)	0.000	00000	0.005 0.005 0.006 0.006	000000000000000000000000000000000000000	
	SAL.	32.537 32.530 32.542 32.552	32.540 32.777 33.358 33.760	33.906 33.966 34.007 34.066	34.128 34.188 34.247 34.303	34.397
STATION 275-054	E(T)	00•0	000000000000000000000000000000000000000	m 0 0 0 0 0 0 0 0 0 0 0	0000	•
STATIO	TEMP.	6000 6000 6000 6000	9.91 9.22 8.26 7.62	7.14 6.71 5.34 5.69	0444 0444 040 040 040	3.54
	ОЕРТН	3000	50 100 150	4 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 700 8 000 8 000	1000

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		PROD-S	1 • 68									,				
		PROD-1	1 • 48		-		<u>u</u>	0								
	ر ارو ارو	CHL-A	0.32	•	9	† •	Ċ	6 6 5								
	WEA VIS	NI TR	0.9	7.2	ល ស ស	5.9	9•9	12.3 19.8	,	100°	,					
	SDG 2195 RELHU 90 A 10, 10	SIL	00	6	111	11	10	19 29	33	4 6 4 1 6 6	•	0 0 0 0	121	137	142	)
.UES	43	PHOS.	0.98	66•0	0.82 1.06	1.05	1.00	1.52	•	7.039 1.994 1.694		0.0 0.0 4.0	3.30	3.53	2.80	)
OBSERVED VALUES	126-10W 2 WET 7	• ××0	6.38	6.38	6.37	6.34	6.22	5.07	3.47	NO 0		0.88	0.40	0.36	0.78	•
OBSER	-17N LONG DRY 8.2	SIGMA-T	25.09	25.09	25.09 25.10	25.09	25.12	25.62 26.01	ġ,	000 000 000 000 000 000	) ( ) (	26.98 26.98	27.20	27.39	27.59	
275-055	LAT 47 6 AMT 3 2 DIR	SAL.	32.576	32,573	32.577 32.583	32.578	32,615	33.138 33.464	33.710	33.822 33.857		34.017	34.267	34.415	34.539	•
STATION	HR 15 19 CL 09 SEA	TEMP.	96•6	96•6	9.97	86•6	96•6	9.39 8.52	<u>س</u> (	80.7 90.0 90.0 90.0	) (	0.0 0.0 0.0 0.0 0.0	'n	ທີ	2.47	•
	1/25/61 16 BA 5 DIR	DEPTH	00	100	086	90	0 to	94 98 98	N 4	147 172 193	. (	486 986	N	N	1563	)
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								PRODES	7.000
	E(0)	00 • 0	0000 •••• 4000 4001	0000	0000	000		PR00-1	1001
	• <b>XX</b> 0	6.38 6.38 6.37 6.38	5.35 5.27 3.01	2.80 2.38 1.888 1.55	00 00 00 00 00 00 00 00 00 00 00 00 00	0.35		4	0000 0000
VALUES	GEOPOT.	0.000 0.0029 0.058	0.145 0.212 0.268 0.368	0.440 0.514 0.583	0.830 0.939 1.039	1.301 1.450 1.648	MAN O O O	2	0000
COMPUTED	SP.VOL.	2888 2888 2888 2888 588	290 • 9 247 • 6 199 • 8 168 • 2	152.6 142.2 135.1	113.2 104.3 96.5 89.7	78•7 70•5 61•2	06 2195		
AND	SIGMA-T	200 200 200 200 200 200 200 200 200 200	255 255 255 255 255 255 255 255 255 255	26.55 26.66 26.74 26.88	26.99 27.09 27.18 27.25	27.38 27.47 27.57		-	•
INTERPOLATED	E(S)	000•0	0.0019 0.0019 0.0000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0000	SERVED V	2 DI	
055 IN.	SAL.	32.576 32.573 32.577 32.582	32.562 33.047 33.490 33.828	33.899 33.967 34.024 34.088	34.135 34.194 34.251 34.307	34.405 34.468 34.530	55A 08 47-17N 43-08	R 09	
ON 275-(	E(T)	00•0	0000	0.00 0.00 0.00 0.01	0000	000	N 275-0	CV	
STATIO	TEMP.	9.96 9.96 9.97 9.96	10.01 9.51 8.49 7.98	7.18 6.74 6.46 5.76	0.44 0.44 0.47 0.33 0.33	3.56 2.13 2.57	TAT 10	SE 60	
	DEPTH	3000	50 100 150	0000 0000 0000	500 700 800	1000 1200 1500	1/25/6;	DI EPTH	ด.ศ. พ.ศ.
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		PROD-S											
		PROD-1	1 • 29	1.625			0.48						
	7	CHL-A	0.21	0 35	l (	Ω • Ω	0.22						
	WEA 01	NITR.											
	SDG 1097 RELHU 83	SIL											
.UES	126-02W SE WET 7-8 F DIR 27 WA 2	PHOS.											
OBSERVED VALUES	126-0 2 WET DIR 2	• YX0	6.42	6.43	6.45	6.43 6.33	(	004 004 044	3.76	2.94	1.97	0.07	0.39
	-34N LONG DRY 9.2 07 SWL 1	SIGMA-T	25.06	25.06	25.06	25•08 25•11	i	25.17 25.17 25.92	26.18 26.33	26.44 26.49	26.72	27.22	27,38
ON 275-056	6 AMT 2 DRY 2 DIR 07 SI	SAL.	32.484	32.482	32.484	32.496 32.519	6	32.520 32.544 33.311	33.600	33,828 33,869	34.010	34.290	34.404
STATION	HR 01 19 CL 07 SEA	TEMP.	9.70	9.70	9.71	9.64 9.56	•	9.00 9.00 9.00 0.00	8.12 7.80	<b>N</b> 4	ທີ່ເ	4.21	U
	1/26/61 17 88A 4 DIR	DEPTH	01	10		70°E 90°E	4 1	94 96	119	တစ	100	711	0
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	E(0)	00.0	0000	0000	0000
	• XX0	0000 •••• 4444 nwnd	6.33 6.27 4.28 3.15	2.59 2.17 1.84 1.27	0000
VALUES	GEOPOT.	000000000000000000000000000000000000000	0.145 0.216 0.277 0.370	0.450 0.524 0.594	00.00 00.00 0440 0440
COMPUTED \	SP.VOL.	290 • 9 291 • 2 291 • 4 289 • 3	286.0 282.7 204.4 167.0	153.8 142.9 134.8 122.5	1113 1022 933 935 935
AND	SIGMA-T	NN	25.12 25.16 25.99 26.39	26.54 26.66 26.75 26.89	26.99 27.11 27.21
INTERPOLATED	E(S)	000•0	0.003 0.006 0.012 0.004	0.006 0.006 0.005 0.012	000000000000000000000000000000000000000
	SAL.	322 322 322 322 4482 4684 4694	32.522 32.534 33.389 33.786	33.890 33.979 34.024 34.081	34.125 34.203 34.283 34.281
STATION 275-056	E(T)	00	0000	0000	0001
STATIO	TEMP.	9.70 9.70 9.71	9.51 9.32 8.29 7.68	7 6 6 8 6 8 7 8 7 8	0446 ••••• •••• ••• ••• ••• ••• ••• ••• •
	DEPTH	9800	50 100 150	0000 0000 0000	0000 0000 0000

		PROD-S														
		PROD-1	0.90		0.50		0 • 38	,								
	۷۱ <i>۲</i>	CHL-A	0.32		0.39		0.24									
	WEA 02	NITR.														
	SDG 1573 RELHU 78 A 20, 05	SIL·														
-UES	125-56W SD WET 7.8 R DIR 27 WA 2	PHOS.														
OBSERVED VALUES	3 125-8 3 WET	0XY•	6.29	6.32	6.34	6.30		5.98	4.67	3.27	3.16	2.92	2.44	1.33	0.41	מינ
OBSER	LAT 47-52N LONG AMT 1 DRY 10.3	SIGMA-T	24.96	24.96	25,00	25.01 25.02		25.00	25.70	26.13	26.24 26.34	26.35	26.59	26.87	27.34	27.56
275-057	B LAT 47- 8 AMT 1	SAL	32.408	32.408	32.522	32.525 32.532		32.622	33.210	33,581	33,690	33,785	33,944	34.052	34.373	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
STATION	19 CL 6	TEMP.	96•6	86•6	10.22	10.20			9.23	€	8.16	0		5.67	1	,
	1/26/61 5 DIR	DEPTH	o	10	80	388 388 388	70	0 00 1 (1) 1	966	N	148	ď	~	45.7	~ທ	,
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	E(0)	0.00	0000	0000	0000	i i
	• XX0	6666 0489 0489	6.19 9.03 1.00 1.00 1.00	2.88 2.58 1.62	1.13 0.76 0.52 0.42	0.42 0.58
VALUES	GEOPOT.	0000	0 • 149 0 • 220 0 • 283 0 • 385	0.472 0.552 0.627 0.765	0.890 1.0004 1.106	1.370
COMPUTED	SP.VOL.	300.6 301.1 296.7 296.3	293.8 273.6 229.6 180.2	165 154 145 131 131	119°2 107°0 97°2 90°3	79.8 69.5
AND	SIGMA-T	24 24 25 25 20 20 20 20 20 20	25.04 25.26 25.72 26.25	26.42 26.54 26.54 26.64	26.93 27.06 27.17 27.25	27.37 27.48
INTERPOLATED	E(S)	000 • 0	0000	000000000000000000000000000000000000000	0000	• •
	SAL.	32.408 32.508 32.528	32.560 32.756 33.229 33.698	33.831 33.915 33.965 34.031	34.086 34.164 34.238 34.296	34.394 34.473
N 275-057	E(T)	00 0	0000	0000	0000	1 1
STATION	TEMP.	9.96 10.22 10.20	10.23 9.79 9.19 8.14	7.74 7.34 6.93 6.11	0.44 4.46 0.31 0.02	3.59 3.08
	DEPTH	3000	50 100 150	220 300 400 000	500 700 800 800	1000

		PROD-S							
	,	PROD-I	0.39 0.70 0.26 0.76		0.26 0.65		0.58		
RVED VALUES	1/26/61 HR 08 LAT 47-43N LONG 125-33W SDG 988 WEA 02 BA 18 CL 6 AMT 4 DRY 8.9 WET 7.8 RELHU 87 VIS 6 4 DIR 09 SEA 2 DIR 09 SWL 2 DIR 25 WA 12	CHL-A					0.29		
		Z T Z	4.9	9•9	6.7	4 9 0 4	6.6 6.6 7.9	048 048 000	
		SIL	16	15	17	9	15 26 21	88 4 4 8 8 8 8 4	44 40 111 40 111
		PH0S.	1.01	1.02	1.00	1.05	1.00 1.80 1.63	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
		• YX0	6.46	6.46	6.45	6.40 6.36	644 666 466	30.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
		SIGMA-T	25.04	25.04	25.04	25.04 25.04	0 9 9 0 0 9 0 0 9 0 0 9 0 0 9 0 0 0 9 0	00000 0000 0400 0400	200 200 27 27 20 20 20 20 20 20 20 20 20 20 20 20 20
		SAL	32.405	32,408	32.403	32•422 32•427	32.446 33.280 33.497	33.679 33.6579 33.6856 990	33.989 34.099 34.277
		TEMP.	9.45	9.46	9.46	9.50 9.54	9 • 60 8 • 74 8 • 38	8.04 7.72 7.51	4001
		DEPTH	10	10		38 38 38	946 76 96 96	119 143 167	$\sigma$
	DATE SECDI WVEL	CAST	Ŋ	N	ผ	ุดผ	พพพ	พพพ	

E(0)	00•0	80000	00000	0000
• ××0	ტტტ • • • • • • • • • • • • • • • • • • •	0.00 0.00 0.00 0.00 0.00	2.72 2.33 1.96 1.50	1 • 18 0 • 91 0 • 71
GEOPOT.	000000000000000000000000000000000000000	0.248 0.265 0.3565	0.432 0.506 0.576 0.706	0 • 825 0 • 935 1 • 036
SP.VOL.	293.0 293.0 293.0 293.0	298.6 223.0 194.2	152 143 136 126 126 126	1114 104 905 90 90
SIGMA-T	ทหทท พิพิพิพ • • • • • • • • • • • • • • • • • • •	24.99 25.79 26.10 26.46	26.55 26.65 26.73 26.87	26.97 27.08 27.18 27.26
E(S)	000•0	0.038 0.012 0.001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0001
SAL.	322 322 322 440 324 420 823 823	32.380 33.231 33.532 33.874	33.920 33.964 33.995 34.054	34 • 110 34 • 185 34 • 258 34 • 318
E(T)	000	0000 0000 4100	0000 •••• 4100	000
TEMP.	0000 4440 0000	9 • 64 8 • 79 8 • 32 7 • 65	7.28 6.81 6.38 5.69	0444 044 044 044 044
DEPTH	3000	50 100 150	2500 3000 400	8 7 8 0 0 0 0 0
	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  9.45 9.46 9.46 9.46 9.46 9.46 9.46 9.46 9.46	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY.  9.45 9.46 9.46 9.46 9.50 0.00 32.403 0.000 25.04 293.0 0.030 6.46 293.6 0.000 32.423 0.000 25.04 293.0 0.030 6.46 6.46 6.45 9.50 0.001 25.04 293.0 0.088 6.45 8.79 9.64 0.001 25.07 25.04 293.0 0.088 6.45 8.39 7.65 0.00 33.532 0.001 26.10 194.2 0.255 3.97	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY. E 9.45 9.46 9.46 9.46 9.46 9.46 9.46 9.50 0.00 32.403 9.50 0.000 32.423 0.000 25.04 293.0 0.003 6.46 9.50 9.64 0.003 25.04 293.0 0.003 6.46 9.64 9.64 9.64 9.64 9.64 9.64 9.64

		PROD-S									
OBSERVED VALUES	-39N LONG 125-20W SDG 914 WEA 02 DRY 8.9 WET 7.8 RELHU 87 VIS 35 SWL 1 DIR 25 WA 17, 03	PROD-I	1.54	0.79		0.83	0.85				
		CHL-A	0.25	0 • 4 3		0 • 24	0.27				
		φ H I Z H									
		SIL									
		PHOS.									
		0XY•	6.41	6.41	6.40	6.41 6.40	6.41	66.28 66.28 64.68	3,89	200 200 200 200 200 200	2000 1009 409
		SIGMA-T	25.05	25.05	25•06	25.06 25.06	70.26	25.10 25.87	26.17	26.45 26.52	26.69 26.93 27.18
275-059	LAT 47-39N AMT DRY 2 DIR 05 SW	SAL.	32.448	32.450	32.456	32,455 32,456	32.456	32.480	33.594	33.873 33.909	33.997 34.082 34.256
STATION	HR 13 17 CL 05 SEA	TEMP.	8.62	09•6	09•6	9.58 9.59	54	9 43 8 56	• C	7.74	6.70 5.34 9.38
	1/26/61 BA 4 DIR	DEPTH	01	10		366 360		78 103		172 188	283 476 720
	DATE SECDI WVEL	CAST	2	Ŋ	8	พพ	N	พพ	NN	101	

							PROD-	7.1
E(0)	00•0	0000	0000				PR00-1	0.93
oxY.	0000 4444 1101	6 • 41 6 • 34 9 • 86 1 • 86	0.01 4.00 1.00 1.00 1.00	0.99 0.67 0.47			⋖	25
GEOPOT.	0000	0.146 0.219 0.284 0.382	0.463 0.538 0.608 0.739	0.859 0.971 1.074		WEA 00 VIS	CHL	•
SP.VOL.	292 292 291 291 891	292.0 225.0 170.1	153.5 144.4 137.8	116•4 107•1 98•5		SDG RELHU		
SIGMA-T	ทุกทุก กลุกก ๑๐๑๓	25.06 25.08 25.77 26.36	26.54 26.64 26.72 26.87	26.96 27.06 27.16	VALUES	ET-ZOW S		
E(S)	000 • 0	0.001 0.001 0.024 0.024	0.003 0.003 0.003		ERVED	NG 18		
SAL	322. 322. 322. 322. 324. 324. 324. 326. 326.	00000000000000000000000000000000000000	33.927 33.980 34.007 34.083	34.096 34.161 34.239		47-39N DRY R SI		
E(T)	00 • 0	0000	0000		72	LAA PAG		
TEMP.	9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9.57 9.47 8.68 7.98		5.21 4.75 4.33	STATIO	17 CL 05 SEA		
DEPTH	3000	50 100 150	200 3000 4000	500 600 700		1/26/61 17 BA 4 DIR	DEPTH	0
		Σ	ΣΣ		1			

INTERPOLATED AND COMPUTED VALUES

STATION 275-059

4

		PROD-S						
		PR0D-1	1.70	1.72	1 • 1 9	1 • 4 1		
	0 0 0	CHL-A	75.0	0•33	0 4 6	0.28		
	WEA VIS	AT IA						
	SDG 400 RELHU 96 4 03• 04	SIL						
.UES	m B	PHOS.						
OBSERVED VALUES	46 125-02W 6 WET 9. DIR	• \x0	აბი დატ დატ დატ	6.36 6.36 6.36	6.35 6.35 5.35 5.35	6.31	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	2.18
OBSER	17-31N LONG 0 DRY 9.6 3 SWL 1	S1GMA-T	200 200 200 800 800 800	225 225 208 208 208	25.09 25.09 25.09	222 225 24 84 84 84	26.11 26.31 26.39 26.46	26.67
275-060	LAT 47- AMT 0 1 DIR	SAL.	322 322 325 55 55 55 55 55 55 55 55 55 55 55 55 5	32.556 32.558 32.558	32.571 32.569 32.569	32,576 32,951 33,325	33.612 33.759 33.820 33.871	33.992 34.017
STATION	HR 16 12 CL SEA	TEMP.	9.00 9.00 9.00 9.00	9.99 9.95 9.98	9.96 9.91 9.91	99 99 99 99	8.62 8.10 7.87 7.63	6.82 6.19
- •	1/26/61 17 BA DIR	DEPTH	<b>െ</b> ന ശ	200 200 200 200 200 200 200 200 200 200	0000 0400	437 80 80 80	122 146 170 196	292 341
	DATE SECDI WVEL	CAST	ดดด	พพพ	ุดดด	ุดดด		

	E(0)	00•0	0000	00
	• XX0	6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00	6.37 5.71 3.16	0 00 C 4 -
ALUES	GEOPOT.	0.000 0.029 0.058	0.145 0.214 0.274 0.371	0 • 4 0 • 4 0 • 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
OMPUTED V	SP.VOL. GEOPOT. ANOMALY ANOMALY	2899 2899 2899 2889 4	291 • 1 261 • 7 216 • 0 173 • 3	159.9 149.7
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	0000 0000 0000 0000	25.07 25.38 25.87 26.32	26.47 26.59 26.59
rerpola1	E(S)	000•0	000000000000000000000000000000000000000	0000
	SAL.	32.556 32.556 32.556 32.565	32.548 32.880 33.355	33.878 33.951 33.998
STATION 275-060	E(T)	00 • 0	0000	0000
STATIO	TEMP. E(T)	90.00 40.00 40.00 10.00	9.95 8.95 8.91	7.60
	БРТН	3000	50 75 100 150	000

		PROD-S	00•9	2.84		0.66		0.02					
		PROD-I	1.18	1.12		0.95		1.19			E(0)	00	000
		CHL-A	0 • 35	0.24		0.21	,	0 • 10			0XY	6.29 6.29 6.269 6.269	6 • 24 6 • 20
	WEA 02 VIS 9	NITR.	6.7	<b>7</b> •0		0.0		6 4		/ALUES	GEOPOT.	000000000000000000000000000000000000000	0.146 0.219
	SDG 110 RELHU 87 1 00	SIL.	17	11	•	7	!	1.7		MPUTED \	SP.VOL.	290•7 289•9 291•0 291•4	290•6 291•2
LUES	124-42W SD WET 7.7 R DIR 35 WA 0	PHOS.	1.27	1 • 10		10 • .	(	0		INTERPOLATED AND COMPUTED VALUES	SIGMA-T	255.06 255.07 25.06 25.06	25.07 25.07
OBSERVED VALUES	ပ္ခဏ	• YX0	6.29	6.29 6.29 6.28	6.26	6.34 6.29	6.26	6.23	60•9	RPOLATE	E(S) S	000	0000
OBSE	-24N -24N 06 SW	SIGMA-T	25.06 25.06	25.06 25.07 25.06	25.06	25.06 25.06	25.07	25•07 25•07	25.12	INTE	SAL.	32.604 32.597 32.597	•597 0 •620 0
275-061	LAT 47- AMT 0	SAL.	32.601 32.599	32.602 32.604 32.597	32,597	32,595 32,597	32,596	32.625 32.625	32.666	275-061	E(T)	0000	0.00 32 0.01 32
STATION	HR 19 18 CL 06 SEA	TEMP.	10.24	10.24 10.19 10.21	10.21	10.20	10.17	10•17 10•28	10.19	STATION	TEMP. E	10.24 10.19 10.21	10.15
	1/26/61 16 BA 3 DIR	DEPTH	om	1506		199 140	96	727 780 780	86	•	DEPTH	3000	750
	DATE SECDI WVEL	CAST			1		-		-				

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		PROD-S											
		PROD-I	1.88	0.1.0	3.47	2 • 39					E(0)		
		CHL-A F	0.20	2	·	1 • 32					oxx.	6.44 6.44 6.19	
	WEA VIS 9	NITR. C	5.4	7•1	7.2 4.6	•	400	7.0		/ALUES	GEOPOT.	0000	
	SDG 40 RELHU 1 00	SIL.	31	56	255		20 20 20 20	16		INTERPOLATED AND COMPUTED VALUES	SP.VOL.	989 973 931 8	
UES	3	PHOS.	1.13	1.10	1.07		400.0	1.02		O AND CO	SIGMA-T	22.00 23.01 24.05 24.05 24.06	
OBSERVED VALUES	IG 124-37W WET DIR 33	• ××0	6.75	6.61	6.56 6.44		6.50 6.50 14.1	6.19		POLATE	E(S) S]	(4)(4)(4)	
OBSER	47-42N LONG DRY R SWL 1	SIGMA-T	22.14	23.18	23.41		24.05	24.64		INTER	SAL. E	28.670 30.712 31.414 32.058	
275-062	LAT 47- AMT 1 DIR	SAL.	28.680	30.047	30.336 30.712		31.206	32.058		275-062	E(T) S	80000	
STATION	HR 22 18 CL SEA	TEMP.	9.42	9.61	9 • 56 9 • 80		9.82	.26		STATION	TEMP. E	9.42 9.80 9.91 10.26	
	1/26/61 4 BA DIR	DEPTH	00	1W	ເຈວ	11	202	no			DEPTH	0000	
	DATE SECDI WVEL	CAST	-	<b>-</b>	==			<b></b>					
			~ ~	_	-	_							

	PROD-S											
	PROD-1	3.15		1 • 39	,	1 • 78				E(0)	00•0	•
	CHL-A F	0.33	!	o • n		0 35 0				OXY.	99999999999999999999999999999999999999	6.26
WEA 02 VIS 9	NITR. C	00	·	J	`	,			VALUES	GEOPOT.	0.000 0.036 0.067 0.098	0.158
SDG 68 RELHU 1 00	SIL.								COMPUTED V	SP.VOL. ANOMALY	308 308 308 308 308 308	299.7
124-49W SD WET R DIR 33 WA O	PH0S.								AND	SIGMA-T	23.91 24.93 24.83 24.98	24.98
ڻ د	- VXO	6.56 6.51	6.40 04.00	6.36	6.33	6.30	6.28		INTERPOLATED	E(S)	0.001	
-49N DRY 3 SW	SIGMA-T	23.91 24.25	24.83	24.86	24.88	24 • 92 24 • 95	24.97 24.98			SAL.	31.012 32.323 32.358 32.478	32,518 -
LA AN	SAL.	31.012	31 • 847 32 • 323	32,352	32,358	32.436 32.474	32,500 32,524		275-063	E(T)	00	
HR 00 17 CL 03 SEA	TEMP.	9.71	10.16	10.27	10.20	10.33	10.34 10.38		STATION	TEMP.	9.71 10.31 10.34	10.35
1/27/61 8 BA 3 DIR	DEPTH	on	٠0:	12	20	700 740	39			DEPTH	38000	50
DATE SECDI WVEL	CAST			<b></b>	-							

OBSERVED VALUES

STATION 275-063

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		PROD-S											
		PR0D-1	1.40	1.556	•	1.36					E(0)	00•0	001
		⋖	δiù	ç	)	ស 4					• XX	6.38 6.38 6.38	6.03 6.03 6.03
	6	CHL	00	ر د د	•	0	•			S	GEOPOT.	000 000 000 000 000 000 000 000 000 00	147 220 283
	WEA VIS	NITR.								VALUES		0000	000
	DG 128 RELHU 67 07	SIL								COMPUTED	SP.VOL.	293.7 293.9 293.9 294.0	293•8 284•5 224•7
VALUES	125-03W SD WET 6.4 R DIR 33 WA C	PH0S.				~	<b>~~</b>	minalm	n	AND	SIGMA-T	N N N N N N N N N N N N N N N N N N N	25.04 25.14 25.78
OBSERVED V	LONG 125 10.3 WE	- OXY.	6.41	6.42 6.41	6.41	6.38	6.38 6.38	6.00 8.00 8.00 8.00 8.00 8.00 8.00	3.63	INTERPOLATED	E(S)	0.001	0.005
	-58N DRY 04 SV	SIGMA-T	25.03	25.03 25.03	25.03	25.03	25.04 25.04	25.05 25.15 25.68	26.10		SAL.	322 322 322 5005 5005	32.512 32.657 33.314
275-064	LAT 47	SAL.	32,505	32.504 32.505	32.504	32.505	32.508 32.506	32.535 32.670 33.223	33.584	V 275-064	E(T)	00•0	001
STATION	HR 03 16 CL 04 SEA	TEMP.	96•6	9.98 9.98	96•6	6.97	9.94 9.96	9.94 9.98 10.01 9.45	8.54	STATION	TEMP.	9.98 9.98 9.97 9.95	9.96 10.02 9.28
	1/27/61 BA 3 DIR	DEPTH	OM	90	 		740 740	38 76 96	114		DEPTH	3000	50 75 100
	DATE SECDI WVEL	CAST		pro prof		-			~				

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		PROD-S														
		PROD-1	96•0	1 • 18	7	0	-	•				E(0)	00	0	0.02	!
		CHL-A P	0.77	0.81		66		\$ <b>2</b>				0XY•	6.37 6.37 6.37 6.33	6.36 5.31	• •	3.14
	WEA 02	NITR. C	5.8 6.1	ທູດທູນ • 1 1 1	5.4	5.1 5.6	5.4	5.7	16.0 21.1 23.4	24.6 25.0	VALUES	GEOPOT.	00000	0.148	• •	0.471
	DG 248 RELHU 50 26, 14	SIL.	ထထ	<b>0</b> 00 00	01	<b>v</b> 0 <b>c</b> 0	Φ	9 9	8884 8880	000	COMPUTED	SP.VOL.	293 293 294 7 294 2	295 • 1 291 • 3		167.0
VALUES	* 8 * 0 * 4 * 4 * 4 * 4 * 4 * 4 * 4 * 4 * 4	PHOS.	0.98 0.96	0.73 0.78 0.74	0.58	0.79	0.89	1.14	2000 0000 0000 0000	2•19 2•39	AND	IGMA-T	0000 0000 0000 00000 00000	25.03	6.1	26.40
OBSERVED VAL	ONG 125-14 0.6 WET . 2 DIR 34	• XX0	6.38 6.38	6.36 6.37 6.35	6.37	6.36 6.33	6.33	6.27 5.31	3.81 3.70 3.70	3.24	INTERPOLATED	E(S) S	0000	02	010	
OBSE	-08N LOI DRY 10 09 SWL	SIGMA-T	25 25 03 03	250 250 250 250 250 250 250	25.03	25.02 25.03	25.03	25.03 25.07	25.81 26.11 26.13 26.31	26.36 26.53	INTE	SAL.	25.507 25.507 25.501 0 514	2.500 0	• •	3.821 -
275-065	LAT 48- AMT 0 2 DIR (	SAL.	32.507 32.509	32.506 32.507 32.514	32,503	32.501 32.514	32,505	32.514 32.507	33.288 33.564 33.588 33.758	33.799 33.897	275-065	E(T) :	000	602 3		
STATION	HR 05 17 CL 09 SEA	TEMP.	10.00	10.00	10.00	10.00	10.00	10.02	8.91 8.40 8.36 8.06	7.92 7.28	STATION	TEMP. E	10.000	10.03 0	.27	7.80 -
-	1/27/61 BA 1 DIR	DEPTH	om	100		227 248 448		57 75 75	94 118 142 166	190 228		DEPTH	3000	500		200
	TE CD1 EL 1	TS.	ผผ	ผพพ	N	ผผ	2	ผผ	ผผพ						Σ	

		S												
		PROD-S												
		PROD-I	0.75	0.80	9	•	0	•			E(0)	00 • 0	0.04	!
		4	•51	• 52	7.3	2	95	)			• <b>XX</b> 0	6.38 6.36 6.37 6.35	6.36 5.44	4.18 3.27
	WEA 02 VIS 7	NITR. CHL.	o	Ö	Ċ		Ċ			/ALUES	GEOPOT.	00000	0.147	
	SDG 192 RELHU 62 12, 08	SIL·								COMPUTED VALUE	SP.VOL. ANOMALY	291.4 291.5 291.6 291.7	294 • 1 261 • 2	
/ALUES	125-03W S WET 6.2 DIR 35 WA	• PHOS	87	V:0V	7	10.10	n	e –	e <b>/</b> 6 9	INTERPOLATED AND C	SIGMA-T	200 200 200 200 200 200 200 200 200 200	25.04 25.39	
OBSERVED VALUE	04 W	\×0	6.38 6.37	6.37 6.36 6.37	6.3	6.35 6.35	6.3	6.28 5.31	4 3.77 3.39 2.89	ERPOLA	E(S)	000•0	0.018	
	3-17N 0 DRY 06 SW	SIGMA-	25.06	255 255 255 255 255 255 255 255 255 255	25•06	25.06	25•06	25.06	25.83		SAL.	32.515 32.510 32.522 32.522	32.504 32.913	നന
275-066	LAT 48 AMT C 2 DIR	SAL	32.515 32.515	32.517 32.520 32.520	32.522	32.522 32.523	32,529	32.531 32.967	33.307 33.534 33.651 33.833	275-066	E(T)	00•0	0.00	-
STATION	HR 08 18 CL 06 SEA	TEMP.	9.88 9.86	9.90 9.90 9.88	06•6	06·6 06·6	9.91	9.94 9.70	8.92	STATION	TEMP.	0000 0000 0000	9.94	
	1/27/61 BA 8 DIR	DEPTH	٥m	100		780 746	8 8 8	728 74	96 119 144 167		DEPTH	9000 0000	50	
	DATE SECDI WVEL	CAST	ุดด	ดดด	Ŋ	พท	Ŋ	พพ	NHHH					Σ

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		PROD-S													
		PROD-I	0.61	0.55	•	0 • 39		0.35					E(0)	0.01	0001
		CHL-A F	0.27		,	0•16	9	04					0XY•	ຄນ ດ • 6 • 6 • 6 • 6 • 6 • 6 • 6 • 6 • 6 • 6	5.88 5.11 5.89 4.69
	WEA 02	NITR. C			•	J	•	,				VALUES	GEOPOT.	0.000 0.035 0.069 0.103	0.167 0.242 0.316 0.447
	5DG 220 RELHU 40. 05	SIL. N											SP.VOL. ANOMALY	3444 3455 3410 3320 0	306.2 298.1 289.4 235.9
LUES	3 WA	PH0S.	1.98 1.91	1.96 2.04 1.98	2.43	2.03 1.93	1 • 45	1.32	1.09 1.09 1.04 1.04	2.06	9		SIGMA-T	200 440 444 640 640 640 640	24 • 91 255 • 00 25 • 10 25 • 67
OBSERVED VALUES	LONG 124-4 WET L 2 DIR	• YX0	0.00 0.00 0.00 0.00	0.00 0.00 0.01	5.61	5.54 5.51	5.69	5.91 6.13	00000 0000 0000 0000	4.36	COLUMN COCCUMENTAL	7 - V	E(S) S	• 010	031
OBSE	1-27N LO 1-27N LO 09 SWL	SIGMA-T	24.50 24.51	24 24 24 34 34 34 34 34	24.54	24.58 24.61	24.83	24.93 25.01	2000 2000 2000 2000 2000	25.83	и Н 2	1	SAL.	1.481 1.456 1.529 1.688 0	2.584 0 2.512 0 2.621 0 3.182 -
275-067	LAT 48 AMT 0 2 DIR 0	SAL.	31 • 481 31 • 489	31.463 31.456 31.513	31,529	31.599 31.650	32.087	32,347 32,529	32.636 32.551 32.837 32.932	33,336	276-067	100-617	E(T) :	######################################	0001
STATION	HR 12 19 CL 09 SEA	TEMP.	8 8.24 5.22	8 22 8 22 8 24	8.26	8.31 8.38	9.22	9.86 10.22	10.09 10.22 9.90 9.76	9.03	NOTFATA	→	TEMP. E	8.22 8.22 8.22 8.45 0	9.67 10.20 10.13 9.31
	1/27/61 BA 0 DIR	DEPTH	OM	<b>a</b> 000		1010 140		726	96 99 116 136	156	•		DEPTH	3000	50 100 150
	DATE SECDI WVEL 1	CAST	ุขพ	ดดด	Ŋ	ุดด	Ŋ	ผผ	W	-					ΣΣ
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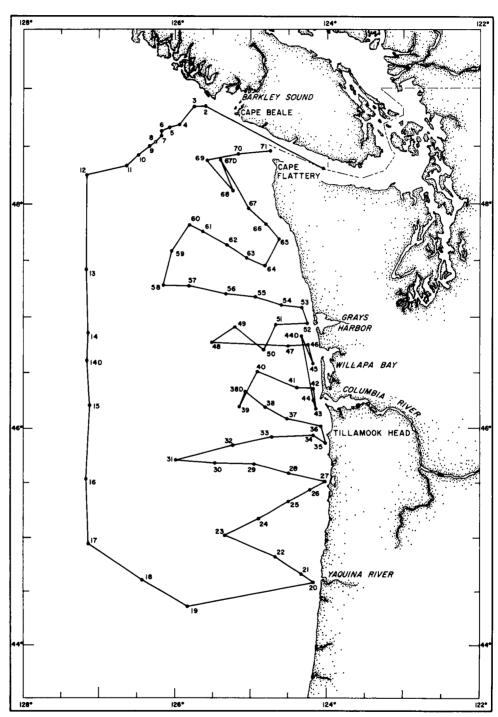


Fig. 3. Station locations Brown Bear Cruise No. 280, 7-24 March, 1961.

		PROD-S			q										
		PROD-1	1.40	1.45		1.51	;	0.10					E(0)	000	0001
		CHL-A	0.67	0.31		0.31		0.20					0XY•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4 0.4 0.4 0.4 0.4 0.4
	WEA 02	NITR. C	Ü	•		•		J				VALUES	GEOPOT.	0000 0000 00043 00043 00043	0.207 0.295 0.369 0.483
	SDG 188 RELHU 93 1 11	SIL.										COMPUTED	SPONOL Y	429.7 430.0 422.1 410.3	376.2 332.5 262.7 182.9
VALUES	<b>1</b> 3	• PHOS.	Φ-		#10. <b>0</b>		70 0110		<b>0.000</b>	01.0		AND	SIGMA-T	23.60 23.60 23.69 81	24 • 1 7 25 • 64 25 • 37 26 • 22
OBSERVED VALUES	0NG 12 8.3 WI	T 0XY	99		6.14 0.99		500 500 500 500 500 500 500 500 500 500		00004 0000 0000	3.82 3.36 3.11	•	INTERPOLATED	E(S)	0 • 003 0 • 005 0 0 001	00000
	9-18N 00 DR	SIGMA-	23.60		23.60 23.61 23.61		23.68 23.70 23.79		23.98 24.93 24.63 25.63	26.01 26.20 26.31		INI INI	SAL.	30.2885 30.2880 30.409	31.075 31.708 32.721 33.627
ON 280-001	C AMT	SAL.	30.285 30.280		30 • 283 30 • 284 30 • 288		30.403 30.433 30.543		30.814 31.263 31.769 32.590	33.455 33.607 33.706		280-00	E(T)	000	0001
STATIO	HR 04 15 CL >	TEMP.	7.98 7.96		7.97 7.97 7.98		8 8 9 10 10	•	8888 8040 6040 700	8.47 8.02 7.77		STATION	TEMP.	7.98 7.97 8.09 8.11	8.33 8.55 8.89 7.97
	3/08/61 BA 5 DIR	DEPTH	O# <	•	ი <u>ს</u> 4 п		- 000 0400		58 58 76 76	121 146 170			DEPTH	9800	50 75 100 150
	DATE SECDI WVEL	CAST						•							

ļ	PROD-S							
	PR00-1						1074	
• !	H I						, ,	0000 0000 0000 0000
)						VALUES	GEOPOT.	0000 0000 0000 0000 0000
-						OMPUTED	SP.VOL.	477.8 476.4 4.06.4
R 27 W/ • PHOS		നമമ				ED AND C	SIGMA-T	8888 8888 8888 8888 8888 8888 8888 8888 8888
4 O		ั้มมีกับ ของ ณเมษา				TERPOLAT	E(S)	
SIGMA		NNN NNN NNN NNN NNN NNN NNN NNN NNN NN					SAL.	29.676 29.676 29.694 29.733
	29.676 29.674 29.674	29.684 29.694 29.701 29.733					E(T)	
FEMP.	8.18 8.16 8.19 7.19	8 9 1 5 8 9 1 5 9 9 1 5 9 9 1 5 9 9 1 5 9 1 5 9 1 5 9 1 5 9 1 5 9 9 1 5 9 9 1 5 9 9 9 9				STATION	TEMP.	8.18 8.17 8.17 8.16
	on <b>v</b> o	3000					ОЕРТН	3000 3000
CAST								
	DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. CII. NITE CII.	DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I PROD-S 3 8-18 29-674 23-10 6-35 6 8-19 29-674 23-10 6-35 10 8-17 29-676 23-10 6-35	DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I PROD-S  9 8-18 29-674 23-10 6-35  10 8-19 29-674 23-10 6-35  10 8-17 29-684 23-11  20 8-16 29-694 23-11  20 8-16 29-733 23-12 6-33  30 8-16 29-733 23-15 6-28  30 8-16 29-733 23-15 6-28	DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I PROD-S 3 8.16 29.676 23.10 6.35 10 8.17 29.674 23.10 6.35 15 8.17 29.684 23.11 20 8.16 29.694 23.12 25 8.16 29.733 23.15 6.28 30 8.16 29.733 23.15 6.28	DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I PROD-S 3 8.16 29.676 23.10 6.35 10 8.17 29.674 23.10 6.35 15 8.17 29.674 23.11 22 8.16 29.733 23.12 6.28 30 8.16 29.733 23.15 6.28	DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I PROD-S 3 8-18 29-674 23-10 6-35 6-35 10 8-15 8-17 29-674 23-10 6-35 10 8-3	DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I PROD-S 3 8.18 29.674 23.10 6.35 10 8.35 10	DEPTH TEMP. SAL. SIGMA—T OXY. PHOS. SIL. NITR. CHL—A PROD—I PROD—S  9 8-16 29-674 23-10 6-33  15 8-17 29-674 23-10 6-33  25 8-16 29-674 23-12 6-33  30 8-16 29-733 23-12 6-28  STATION 280-002 INTERPOLATED AND COMPUTED VALUES

OBSERVED VALUES

STATION 280-002

PROD-S					
PR00-1			E(0)		
CHL-A			• ××0	6.17 6.23 6.19 6.19	6•18
WEA OZ VIS 7 NITR•		VALUES	GEOPOT • ANOMALY	0.000 0.036 0.072 0.107	0.176
SDG 58 RELHU 79 1 05 6 SIL• 1		AND COMPUTED	SP.VOL.	360 • 4 358 • 6 347 • 8	346.7
6/38/0		AND CC	SIGMA-T	24.33 24.35 24.47 24.47	24•48
χ Σ•4 Σ οω Ο φφης	66 66 66 66 66 66 66 66 66 66 66 66 66	INTERPOLATED	E(S) S		W
3 3 14 14 24 24 24 24			SAL.	31.374 31.409 31.588 31.596	1.611
ZBO-C C AMT SAL CAL SAL CAL	31.5562 31.5588 31.5598 31.6596 31.608	280-003	E(T)	mmmi	31
STATIO HR 1 08 CL 14 SE 14 SE TEMP• 8•84 8•88 8•88	00000 00	NO 1 - 0		9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9.05
3/08/61 4 DIR DEPTH 0 3	1000 4 m		DEPTH	9000 9000	20
DATE SECDI WVEL CAST					

0.00

0.147

287.3 285.2

25•11 25•13

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32.495 32.506

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9.46 9.35

50 75

		PROD-S							
		PROD-1						E(0)	
		CHL-A F						0XY•	6 6 6 6 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8
	WEA 02 VIS 7	NITR. C					ALUES	GEOPOT.	00000
	3DG 79 RELHU 86 06	SIL. N					COMPUTED VALUES	SP.VOL.	295.3 296.2 295.2 291.9
JES	φ¥	PHOS.					AND COM	SIGMA-T A	255 255 255 250 250 250 250 250 250 250
OBSERVED VALUES	G 125-57W B WET 74 DIR	0XY•	0000 0000 0000 0000	0 0 0 0 0 0 0 0 0 0 4 4	6.00 9.00 9.00 9.00		INTERPOLATED	E(S) SIG	00000
OBSER	48-42N LONG 8 DRY 8.8 R 18 SWL 4	SIGMA-T	00000000000000000000000000000000000000	25.01 25.02 25.04 25.04	25.08 25.13 25.13		INTER	SAL. E	32,383 32,373 32,393 32,447
280-004	LAT 48- 6 AMT 8 2 DIR 1	SAL.	32,383 32,391 32,380 32,373	32.380 32.393 32.422 32.447	32.470 32.513 32.506		280-004	E(T) S	3333
STATION	HR 20 39 CL 18 SEA	TEMP.	9999 9999 99199	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9.52 9.40 9.35		STATION	TEMP. E	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
	3/08/61 BA 11 DIR 1	ОЕРТН	00.00	3000 000 000	40 60 75			DEPTH	3000
	DATE SECDI WVEL	CAST		пппп					

		PROD-1 PROD-S	0.86	1 • 28	680	0.70	·		• E(0)	<b>**</b> 0 ** 0 **	2 0.01
		CHL-A	0.43	0 0 0	0.13	0.47			• 0×ו	6.29 6.29 6.29 6.29	6.32
	WEA 01	NITR.						VALUES	GEOPOT.	0.000 0.029 0.057 0.057	0.141
	SDG 113 RELHU 79 1 10	SIL.						COMPUTED	SP.VOL.	281.9 281.6 282.1 281.6	281 • 3
LUES	m ≥	PH0S.						AND	SIGMA-T	255.16 255.16 255.16 25.16	25.17
OBSERVED VALUES	LONG 126-04W 8.8 WET 7	• XXO	6.00 4.00 1.00 1.00 1.00	600 600 600 600	6.18 6.29 6.29	6.04 400 1		INTERPOLATED	E(S) S		0.002
OBSE	48-40N LO 6 DRY 8 R 21 SWL	SIGMA-T	25.16 25.16 25.16	25.16 25.16 25.16	25.16 25.16 25.17	25•17 25•19 25•73		INTE	SAL.	32.537 32.541 32.537 32.548	32.535 0
280-005	AT AMT DI	SAL.	32.537 32.5340 32.538	32.541 32.538 32.537	32.545 32.548 32.548	32.534 32.572 33.214		280-005	E(T) S	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.00
STATION	HR 22 L 10 CL 6 21 SEA 2	TEMP.	9.37 9.36 9.36	9.36 9.37 9.36	9.38 9.37 9.32	99.09 9.00 9.05 0.05		STATION	TEMP. E	99.37 9.36 9.36	9.26 0
<b>.</b>	3/08/61 BA 1 9 DIR 2	DEPTH 1	on <b>v</b>	2110 0000	4808 4808	40 70 98		U)	DEPTH 1	9000	50
	DATE SECDI WVEL	CAST	<b>H</b> HH	ल ल ल	eee						
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		PROD-S								
		PROD-I						E(0)		001
		∢						0XY•	00 00 00 00 00 00 00 00 00 00 00 00 00	6.32 6.21 5.57
	WEA 01 VIS 7	NITR. CHL-					VALUES	GEOPOT.	0.000 0.029 0.057 0.084	0.140 0.210 0.278
	SDG 133 W RELHU 87 1 08: 15	SIL. NI					COMPUTED VA	SP.VOL.	279 8 280 4 279 7 279 5	278 • 8 277 • 7 266 • 6
UES	38.7 8.7	PH0S.					AND	SIGMA-T S	255-18 255-17 255-18 25-19	25.20 25.21 25.33
OBSERVED VALUES	4 DIR	oxy.	66.23 6.23 6.29 6.29	0000 0000 0000 0000	0000 0000 00100 00100	3.56	INTERPOLATED	E(S) S	(3/3/4/4	0.002
	48-38N LONG 5 DRY 10.3 R 21 SWL 4	SIGMA-T	255.18 255.17 255.17	2000 2000 2000 1000 1000 1000	25.20 25.20 25.22 25.32	25.83		SAL.	32.543 32.543 32.532 529	32.517 0 32.563 0 32.785 -
280-0	LAT 6 AMT	SAL.	32.543 32.543 32.547 32.547	322 322 322 5332 520 520	32.523 32.522 32.573 32.73	33,325	280-006	E(T)	<u> </u>	0000
STATION	HR 00 10 CL 21 SEA	TEMP.	9999 9930 931	9.00 9.00 9.10 9.15 9.15	90.08 90.09 91.00 94.00	9.01	STATION	TEMP.	9.26 9.36 9.18 9.14	9•01 9•13 9•46
	3/09/61 BA 9 DIR	DEPTH	0000	3020 3020	044 007 007 007	123		DEPTH	3000 3000	50 75 100
	DATE SECDI WVEL	CAST	пппп		00	ď				ΣΣ

		PROD-S								
		PROD-I						E(0)	000	0.04
		CHL-A P	,	•				0XY•	0000 0000 0000 0000	0.04 0.04 0.04 0.04 0.04 0.04
	WEA 03 VIS 7	NITR. CH					VALUES	GEOPOT.	0.000 0.029 0.057 0.085	0.141 0.210 0.275 0.381
	SDG 214 RELHU 1 28,	SIL. N					COMPUTED V	SP.VOL.	283. 283.9 282.9	277.4 273.1 246.8 178.0
LUES	7M 6	PH0S.					AND	I GMA-T	255.14 255.14 255.14 25.14	25.21 25.26 25.36 26.27
OBSERVED VALUE	LONG 126-10 WET 'L 4 DIR 2	• YX0 .	<b>2000</b> 2000 2000 2000 2000	00000	60.00 60.00	3.00 3.00 3.00 3.00 5.00 5.00 5.00 5.00	INTERPOLATED	E(S) S	0000	.014 .033
	8-35N LO 6 DRY 21 SWL	SIGMA-T	220 200 200 200 200 200 200 200 200 200	255 255 255 255 144 255 164	255 255 255 255 255 255 255 255 255 255	25.92 26.26 26.31 26.31		SAL.	32.540 32.552 32.552 32.540 32.561	32.649 0 32.748 0 33.062 0
1 280-007	LAT 4 6 AMT 2 DIR	SAL.	32.55 32.55 32.55 32.55 32.55 35.55	32.554 32.550 32.552 32.552	32,550 32,723 32,801 33,062	33,399 33,677 33,719 33,870	1 280-007	E(T)	00	0.03
STATION	HR 02 11 CL 21 SEA	TEMP.	0000 0000 0000 0000	9999 9009 9004 9004	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	8.76 8.00 7.88	STATION	TEMP.	0000 0000 0000 4000 4000	9.56 9.72 9.50 7.97
	3/09/61 BA 10 DIR	DEPTH	on 40	22 24 24 24	38 57 86 100	119 144 168 193		DEPTH	9000	50 100 150

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		PROD-S										
		PROD-I						E(0)	000	0.01	00	0.06
		۵						• *XO	46.46 4806	€ <	4.74 3.26	2.39 2.08
	WEA 03	NITR. CHL-					VALUES	GEOPOT.	00 00 00 00 00 00 00 00 00 00 00 00 00	•	0.271	0.455 0.534 0.607
	DG 487 RELHU 71 25, 15	SIL					COMPUTED	SP . VOL .	278-1 278-4 278-3 278-3	78	219.5	163.3 152.9 140.5
VALUES	6-15W S ET 501 R 23 WA	• PHOS	4 <b>0</b> 00	- ao e	ក ធ ស	8	AND	SIGMA-T	25.20 25.20 25.20 25.20	200	250 250 30 30 30	26.44 26.55 26.69
BSERVED	7.0 W	·T OXY	0000 4040	000n	800	1.52	INTERPOLATED	E(S)	0000	0.001	0.008	0.009
0	48-32N L	SIGMA-	2000 2000 2000 2000 2000 2000 2000 200	25.20 25.20 25.20 25.20 25.20	26.10 26.29 3 26.41 26.41	9 26.63 8 26.82		SAL.	32.482 32.483 32.487 32.489	2.49	33.277 33.714	33.837 33.915 33.983
N 280-008	4 LAT 4 6 AMT A 2 DIF	SAL	32.482 32.482 32.487 32.487	32.495 32.494 32.496 33.173	33,534 33,707 33,808 33,811	33.959 34.008	N 280-008	E(T)	000	00.0	00000	00 I 00 I 00 I
STATIO	HR 0 10 CL 18 SE	TEMP.	8888 8888 4888 4888	8888 6886 6886 7886 7886	8.33 7.92 7.66 7.66	6.94 5.76	STATION	TEMP.	8888 8888 4888 7888	ά	7.90	7 4.0.7 6.64
	3/09/61 BA 12 DIR	DEPTH	2 2 2 3 3 3 3 3	37 56 95 85	119 149 167 180	274		DEPTH	9000		100	980 380 380
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		PROD-S										
		PROD-I						E(0)		000000000000000000000000000000000000000	0011	•
		CHL-A F						0XY•	6.4 6.4 6.4 6.4 6.4 6.4 6.4	004E	2 • 5 9 1 9 1 9 9 1 9 9 9 9 9 9 9 9 9 9 9 9	0.88
	WEA 02 VIS 7	NITR. CF					VALUES	GEOPOT.	000000000000000000000000000000000000000	0.139 0.208 0.270 0.367	0.449 0.526 0.597 0.728	0.847
	1051 HU 72	SIL. N					COMPUTED V.	SP.VOL.	276.5 276.0 276.7 276.7	277.0 279.7 214.8 172.0	157.9 148.3 137.7 123.6	114.5
VALUES	SOW SDG Sec REI	PHOS.					AND	IGMA-T	25.00 20.00	5.22 5.19 5.34	6.6.6 0.00 0.00 0.00 0.00 0.00 0.00 0.0	6.98
	NG 126-20 B WET DIR	• XXO	66.0 6.4 6.4 6.4 114	0004 4404 0104	3.81 3.17 2.86 2.71	1.98 0.81	INTERPOLATED	E(S) SI	aka a a	000 000 000 000 000	000 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2
OBSERVED	-29N LONG DRY 7.8 16 SWL 4	SIGMA-T	200 200 200 200 200 200 200 200 200 200	25.02 25.02 25.02 25.02 25.02	26.14 26.33 26.46 26.46	26.68 26.99	INTE	AL.	44 44 44 46 49 49 49	494 0 467 0 277 0 747 0	.871 0 .934 0 .997 -	-113 -
280-009	LAT 48- AMT 6 2 DIR 1	SAL.	32.488 32.491 32.489	32.495 32.493 33.257	33.550 33.741 33.845 33.856	33.978 34.116	280-009	E(T) S	44 4 4 66 6 6	000 000 000 000 000 000	03 06 33 33 34 34	34
STATION	HR 06 0 CL X 6 SEA	EMP.	8.76 8.73 8.76 8.76	8.76 8.78 8.78 8.45	7.50 7.50 7.50	6.65 5.04	STATION	EMP.	88.75 8.73 8.76 8.76	8.77 0 8.79 0 8.43 0 7.82 0	7.42 0 7.01 0 6.50 -	5.16 -
U)	3/09/61 BA 1 B DIR 1	DEPTH T	9000	0487 090 090	124 145 173 187	282 523	V)	DEPTH T	3000	50 100 150	0000 0000 0000	200
	ATE ECD1	AST	ดดดด	ดดดด	ผผผา			-		Σ	ΣX	

		PROD-S				
		PROD-I				
	61	CHL-A				
	WEA 9 VIS	NI TR				
	SDG 1500 RELHU 99 A 25, 15	SIL				
	126-30W SE WET 7.3 F DIR WA 3	PHOS.				
JOSENVED VALVES	4G 126-0	• XXO	NO N N O O O O O O O O O O O O O O O O	6.38 6.27 6.22 3.61	6000 6000 6000 6000	0018 0000 0000 0000 0000
מממ	48-25N LONG 9 DRY 7.3 R 12 SWL 4	SIGMA-T	200 200 200 200 200 200 200 200 200 200	255 255 255 255 255 255 255 255 255 255	26.26 26.38 26.45 26.47	26.65 26.92 27.18 27.33
01000	X AMT	SAL.	32.494 32.496 32.518 32.498	32.501 32.504 32.504 33.545	33.716 33.806 33.857 33.866	33.971 34.079 34.250 34.354
	HR 06	TEMP.	8.78 8.78 8.78 8.78	8.78 8.78 8.80 8.42	8.16 7.88 7.58	0046 0046 0046 0044
	3/09/61 BA 12 DIR	DEPTH	0000	39 78 98	123 147 171 187	281 468 704 992
	DATE SECDI WVEL	CAST	ดดดด	ดดดด	พพพ <b>−</b>	пняп

	7	010-082 NOTINE		FKPULA	INTERPOLATED AND COMPUTED VALUES	OMPOIED.	VALUES		
DEPTH	TEMP.	E(T)	SAL.	E(S)	SIGMA-T	SP.VOL.	GEOPOT. ANOMALY	• XXO	E(0)
3000	8.78 8.78 8.78 8.78	00.0	32.494 32.517 32.517	0 • 0 0 0 0 0	25.22 25.22 25.23 25.23	276 276 276 276 50	0000	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01
50 75 100 150	8.78 8.81 8.40 7.84	0000	32.501 32.507 33.579 33.815	0000 0000 00100 0100	25.22 26.12 26.39	276.6 277.0 191.8 167.2	0.208 0.208 0.266 0.356	9 9 9 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 0 0 0 0 0 0 0 0
2000 3000 0000 000	7.42 7.07 6.72 5.93	0000	33.898 33.951 33.984 34.046	0000	26.52 26.60 26.68 26.83	155.8 148.0 128.0	0.437 0.513 0.585 0.720	28.00 0.00 0.00 0.00 0.00 0.00 0.00	0000
9 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0444 0444 4400	000	34.103 34.177 34.247	0000	26.96 27.05 7.10.72	116.3 105.8 97.0	0 • 842 0 • 953 1 • 055	00.00	000

		PROD-S	5.06										
		PROD-1	1.26	1.20	,	66•0		1 • 00					
	80	CHL-A	ć	0 • N	(	0.28	(	0.29					
	WEA 18 VIS 9	NITR											
	SDG 2012 RELHU A 14, 33,	SIL											
.UES	3	PHOS.											
OBSERVED VALUES	IG 126-40W WET DIR 18	• <b>XX</b> 0	6.38	6.40	6.40	6.36	6.26	3.58 3.11	2.81	044 444	1 • 62	0.32	0.40
OBSER	-19N LONG DRY 20 SWL 1	SIGMA-T	25,23	25.22	25.22 25.22	25.21	25,25	26.09 26.26	26,33	000 000 000 000 000 000 000	26 • 58	27.04	27.45
SIA110N 280-011	5 LAT 48-19N 4 AMT 7 DRY A 2 DIR 20 SI	SAL.	32,510	32.496	32.498 32.501	32.494	32,543	33,546 33,726	33.793	33.880	33.974	34.081	34.449
NOT LA LO	HR 15	TEMP.	8.78	8.77	8•78 8•77	8.78	8.82	8 • 4 • 25 0 25	-0	7.88	7 • 1 • 6 • 9 • 9 • 9 • 9 • 9 • 9 • 9 • 9 • 9	• •	3.17
	3/09/61 BA 10 DIR	DEPTH	Or.	· co	233	30	4 4	62 77	121	153	227 329	7~	1186
	DATE SECDI WVEL	CAST	8	Ŋ	ผผ	Ŋ	2	0101	44	M4	ุดเก	ეო	m
			۵s	(	<	(	٥	(					

	E(0)	000	0000 1000 1000	0000	0001	•
	• XX0	0000 0000 0000 0000	200 200 200 200 200 200 200 200 200 200	20.34 20.11 10.82 10.31	0.00 0.00 0.35 0.00 81	0.13
VALUES	GEOPOT.	00000	0.136 0.191 0.234 0.319	0.399 0.5475 0.548	0.817 0.934 1.046 1.153	1.348
AND COMPUTED VALUES	SP.VOL.	275.1 276.2 276.1 276.1	254.6 178.7 171.6 165.3	155.1 148.6 135.1	119 B 1114 O 1110 O 3	89.7
	SIGMA-T	25. 25. 25. 25. 25. 25. 25. 25. 25. 25.	26.25 26.25 26.35 26.35	26.52 26.60 26.63 26.63	26.92 26.99 27.03 27.09	27.26
INTERPOLATED	E(S)	00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000	000000000000000000000000000000000000000	•
	SAL	32.500 32.500 32.501 32.501	32.788 33.726 33.802 33.857	33.906 33.906 33.906 34.010	34.075 34.080 34.081 34.112	34.246
N 280-011	E(T)	00	0000	0000 0000	0001	•
STATION	TEMP.	8.78 8.77 8.77 8.78	8.74 8.27 8.15 7.93	7.41 7.07 6.97 6.33	0444 •••• 0040 0140	3.50
	DEPTH	3000	50 100 150	220 2000 4000 0000	500 700 800	1000

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		SS	4.82 2.70	;	00.0	į	00.0				
		PROD-S	40	•	ŏ	•	0				
		PROD-I	0 • 98 0 • 84	(	98.0	ć	0				
		CHL-A	0 • 1 9 0 • 38	(	0 6 23	ć	0 4 0				
	Z WEA ZB VIS	NITR.									
	SDG 2561 RELHU 92 1 40, 44, 2	SIL									
UES	127-09W SE WET 4.2 F DIR WA	PHOS.									
OBSERVED VALUES	3 127-0 4 WET. DIR	• YX0	6.41 6.38	6.41 6.42	6.40	6.40	6.38 4.29	3.74	2.12	1 .31 0 .67 0 .30 0 .53	1.27
	-14N LONG DRY 4.4 SWL	SIGMA-T	25.24 25.25	25.25 25.25	25.25	25.25	25•26 26•01	26.16	26.38 26.38 6.38 6.28	26.86 27.04 27.24 7.44	07.60
ON 280-012	LAT 48-14N AMT DRY DIR SV	SAL.	32.526 32.529	32,531 32,531	32.534	32,534	32.545 33.386	33.561	33,787 33,950	34.048 34.146 34.297 34.453	34.521
STATION	12 SEA	TEMP.	8.75 8.74	8 • 75 8 • 74	8.74	8.74	8•74 8•16	906	7.72	0447 •••• 9809 8099	21.0
	3/09/61 BA 9 DIR	DEPTH	000	18 26 19	35		8 4 7 7	ب اس	149 227	384 550 774 1208	1727
	DATE SECDI WVEL	CAST	44	44	4	4	44	4 4	ተመመ	ฅผผผ	ď
			σσ	<	1	<	•				

	STATION	N 280-012		INTERPOLATED	AND	COMPUTED V	VALUES		
DEPTH	TEMP.	E(T)	SAL	E(S)	SIGMA-T	SP.VOL.	GEOPOT.	• XX0	E(0)
0000	8888 7.08 87.00 84.00	000	322 322 322 322 331 331	000	NN	273 273 2013 2013 2013 2013	00000 00000 000000	6.38 6.38 6.44 6.41	000
50 100 150	8.58 8.58 8.07 7.71	0000 •••• 0000 0040	32.534 32.781 33.540 33.789	0000 •••• 0000 0000 0000	25.25 25.47 26.15 26.39	273.6 253.3 189.3 167.3	0.137 0.253 0.258 0.348	5.40 3.80 3.11	0000
0000 0000 0000	7.25 6.75 5.32 5.58	M000 0000 0000	33.890 33.974 34.015 34.057	0000 0000 00130	26.53 26.67 26.76 26.88	154.2 141.9 133.9	0.528 0.502 0.571 0.699	2.66 2.18 1.81 1.23	0000
500 400 800	0446 •••• •000 4000	0000	34.116 34.249 34.249	0000	26.99 27.09 27.18 27.26	112.9 104.2 96.0 88.9	0.817 0.925 1.026 1.118	000000000000000000000000000000000000000	0000
1000 1200 1500	3.04 2.04 3.01	0001	34.395 34.451 34.507	000	27.38 27.47 27.56	78•1 70•2 61•4	1 • 285 1 • 433 1 • 631	0000	001

Σ ΣΣΣΣ ΣΣΣ

	PROD-S	5.96	00	c c	76.0	80.0							,				
	PROD-1	•	•	0	0	0.73											
7	CHL-A	0.19		6	6 6 6 6	0.07											
	NI TR.	5.6	9•9	5.7	5°0		7,6	7	19.0	22.7	23.5	25.7	•	•	• •	(	45.0 45.0
2561 ELHU 35, 17	SIL	13	13	6	120		٢	٠ <u>٠</u>	56	30	38	41	45	ເຄ <sub>ີ</sub>	67 126	•	180 180
<b>3</b>	PHOS.	0.87	1.56	1.90	0.78 0.88		40.0	1.03	1 • 89	1.94	1.89	2.25	2.23	2.79	3.09		3.06
	• XXO	6.27	6.23	6.14	6.14 6.13		6.10	200	4.00	•	•	• •	2.24	1.20	0.0	4	1.14
-25N LON DRY 23 SWL 4	SIGMA-T	25.20	25.20	25.20	25•21 25•20		00,00	25.07	25.94	ဖ	v٥٠	စစ	26.63	26.85	27.24	1	27.65
18 LAT	SAL.	32,569	32.566	32,568	32.572 32.568		32.570	32.668	33.468	33.646	33,756	33.837	33,962	34.050	34.165	,	34.577
1 HR 18 23 SEA	TEMP.	9.23	9.24	9.22	9.21		0	10	0	4	္	Ø	•	•	• •	•	8.00 8.00 8.00 8.00
3/10/6 BA 5 DIR	DEPTH	10	<b>~</b> Ø	19	999 999	40	,,,	100	9.0	_	41	n o	224	372	780 780	(	1731
DATE SECDI WVEL	CAST	Q O	N	N	ดด			10	N	a	<b>u</b> •	<b>-</b> N	-	<b>,</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•	<b>→</b> ←
	E 3/10/61 HR 18 LAT 47-25N LONG 127-10W SDG 25 51 BA 10 CL 6 AMT 5 DRY WET RELHU - 5 DIR 23 SEA 3 DIR 23 SWL 4 DIR WA 35, 1	E 3/10/61 HR 18 LAT 47-25N LONG 127-10W SDG 2561 WEA 01 DI BA 10 CL 6 AMT 5 DRY WET RELHU VIS 7 - 5 DIR 23 SEA 3 DIR 23 SWL 4 DIR WA 35, 17 T DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-1	DATE 3/10/61 HR 18 LAT 47-25N LONG 127-10W SDG 2561 WEA 01 SECDI BA 10 CL 6 AMT 5 DRY WET RELHU VIS 7 WVEL 5 DIR 23 SEA 3 DIR 23 SWL 4 DIR WA 35, 17 CAST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-1 PRO 2 9.23 32.569 25.20 6.27 0.87 13 5.6 0.19 0.85 5	51 3/10/61 HR 18 LAT 47-25N LONG 127-10W SDG 2561 WEA 01 5 DIR 23 SEA 3 DIR 23 SWL 4 DIR WA 35, 17 T DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I 9 9.23 32.569 25.20 6.27 0.87 13 5.6 0.19 0.85 9 9.24 32.566 25.20 6.23 1.56 13 6.6	SECDI       3/10/61 HR 18 LAT 47-25N LONG 127-10W SEG 2561 WEA 01         SECDI       BA 10 LCL 6 AMT 5 DRY WET WELLU VIS 7         WVEL       5 DIR 23 SEA 3 DIR 23 SWL 4 DIR WA 35, 17         CAST DEPTH TEMP.       SAL.         2       0 9.23 32.569 25.20 6.27 0.87 13 5.6 0.19 0.85 3         2       9 9.24 32.566 25.20 6.23 1.56 13 6.6         2       9 9.22 32.568 25.20 6.14 1.90 9 5.7 0.32 0.83	SECDI       3/10/61       HR 18       LAT 47-25N       LONG       127-10W       SDG 2561       WEA 01         WVEL       5       DIR       23       SEA 3       DIR 23       SWL 4       DIR       WA 35, 17       WEA 01         CAST       DEPTH       TEMP.       SAL.       SIGMA-T       0XY.       PHOS.       SIL.       NITR.       CHL-A       PROD-1       PRO         2       9       9.23       32.569       25.20       6.27       0.87       13       5.6       0.19       0.88       5         2       9       9.24       32.568       25.20       6.14       1.90       9       5.7       0.23       0.82       0.82         2       24       9.22       32.568       25.20       6.14       1.90       9       5.7       0.023       0.82       0.82         2       24       9.22       32.568       25.20       6.14       0.78       12       5.0         2       28       9.22       32.568       25.20       6.14       0.78       12       5.0	SECDI       3/10/61       HR 18       LAT 47-25N       LONG       127-10W       SDG 2561       WEA 01         WVEL       5 DIR 23       SEA 3 DIR 23       SWL 4 DIR       WA 35, 17       VIS.7         CAST       DEPTH       TEMP.       SAL.       SIGMA-T       0XY.       PHOS.       SIL.       NITR.       CHL-A       PROD-1       PRO         2       0       9.23       32.569       25.20       6.27       0.87       13       6.6       0.19       0.88       5         2       19       9.24       32.568       25.20       6.14       1.90       9       5.7       0.623       0.623         2       28       9.22       32.568       25.20       6.14       1.90       9       5.7       0.623       0.623         2       28       9.22       32.568       25.20       6.14       1.90       9       5.7       0.623       0.623         2       28       9.22       32.568       25.20       6.13       0.78       12       5.0         2       38       9.22       32.568       25.20       6.13       0.88       10       6.2	SECDI       3/10/61       HR 18       LAT 47-25N       LONG 127-10W       SDG 2561       WEA 01         WVEL       5 DIR 23       SEA 3 DIR 23       SWL 4 DIR       WA 35, 17       NITR.       CHL-A       PROD-1       PRO         CAST       DEPTH       TEMP.       SAL.       SIGMA-T       0XY.       PHOS.       SIL.       NITR.       CHL-A       PROD-1       PRO         2       0       9.23       32.569       25.20       6.23       1.56       13       6.6       0.89       5.8         2       9       9.24       32.566       25.20       6.23       1.56       13       6.6       0.89       5.7         2       24       9.22       32.568       25.20       6.14       1.90       9       5.7       0.823       0.82       0.82         2       28       9.21       32.568       25.21       6.14       0.78       12       5.0         2       28       9.22       32.568       25.20       6.13       0.78       12       5.0         2       38       9.22       32.568       25.20       6.14       0.78       10       9       5.7       0.07       0.07       0	SECDI       3/10/61       HR 18       LAT 47-25N       LONG 127-10W       SDG 2561       WEA 01         WVEL       5 DIR 23       SEA 3       DIR 23       SWL 4       DIR       WA 35: 17       VIS 7         CAST       DEPTH       TEMP.       SAL.       SIGMA-T       OXY.       PHOS.       SIL.       NITR.       CHL-A       PROD-I       PROD-I         2       0       9.23       32.569       25.20       6.23       1.56       13       6.6         2       9       9.24       32.566       25.20       6.14       1.90       9       5.7       0.82       0.88         2       24       9.22       32.568       25.21       6.14       1.90       9       5.7       0.62       0.82       0.82         2       24       9.22       32.568       25.21       6.14       0.78       12       5.0         2       38       9.22       32.568       25.20       6.13       0.88       10       5.5         2       49       9.28       32.57       5.86       1.03       0.99       7       5.7	SECDI         AM         10         CL         AM         5         DBY         LONG         127-10W         SDG         2550         WEA         PIRCHAU         WEA         PIRCHAU         WEA         PIRCHAU         WEA         PIRCHAU         WEA         PIRCHAU         WIRCHAU         PIRCHAU         WEA         PIRCHAU         PIRCHAU	PATE SECDI         3/10/61   HR 18   LAT 47-25NY LONG 127-10W         LONG 127-10W RELHU         SPG 2561 WG NG 127-10W         SPG 2561 WG NG	BATE         3/10/61 HR 18         LAT 47-25N         LONG 127-10W         SDG 2561         WEA 01           WVEL         5 DIR 23         SEA 3 DIR 23         SWL 4 DIR         WA 35, 17         WITR         CHL-A         PROD-1         PRO           CAST         DEPTH         TEMP.         SAL.         SIGMA-T         OXY.         PHOS.         SIL.         NITR.         CHL-A         PROD-1         PRO           2         9         9.23         32.569         25.20         6.27         0.87         13         6.6           2         9         9.24         32.566         25.20         6.14         1.90         9         5.7         0.88         5           2         24         9.22         32.568         25.20         6.14         1.90         9         5.7         0.82         0.82           2         24         9.22         32.568         25.20         6.13         0.88         10         6.2         0.09         9         5.7         0.023         0.082           2         28         9.22         32.568         25.20         6.13         0.78         10         0.07         0.07         0.07           2         <	PATE         3.1 o/L         PATE         PATE	PATE SECDI         3/10/61   HR 18   LAT 45-25N   LONG   LAT 45-25N   LONG   LAT 45-25N   LONG   LAT 45-10 w   LAT 45-10 w	BATE         3/10/61         HR 18         LAT 47-25N         LONG         127-10W         SDG 2561         WEA 01         WEA 01           CAST         DEPTH         TEMP.         SAL.         SIGMA-T         OXY.         PHOS.         SIL.         NITR.         CHL-A         PROD-1         PRO           CAST         DEPTH         TEMP.         SAL.         SIGMA-T         OXY.         PHOS.         SIL.         NITR.         CHL-A         PROD-1         PRO           2         Q         9.23         32.569         25.20         6.27         0.87         13         6.6         0.19         0.88         3           2         Q         9.22         32.568         25.20         6.14         1.90         9         5.0         0.88         3         0.88         3         0.88         3         0.88         3         0.88         3         0.88         3         0.88         0.68         0.09         0.88         0.09         0.88         0.09         0.88         0.09         0.88         0.09         0.88         0.09         0.88         0.09         0.89         0.88         0.09         0.89         0.88         0.09         0.89         0.88 </td <td>PATE SECDI         3/10/61 of Relation Rela</td> <td>DATE         3/10/61         HR 18 LAT 47-25N         LONG 127-10W         SDG 2561 VIS 7         WEA 10 LOG 2 LG AMT 5 DRY LONG 127-10W         SDG 25561 VIS 7         WEA 10 LG CLG AMT 5 DRY LONG 127-10W         SDG 25561 VIS 7         NITR. CHL-A         PROD-1         PROD-1           CAST         DEPTH         TEMP.         SAL.         SIGMA-T         OXY.         PHOS.         SIL.         NITR. CHL-A         PROD-1         PROD-1           2         0         9.23         32.569         25.20         6.23         1.56         13         6.6         0.19         0.85         5           2         19         9.22         32.568         25.20         6.14         1.90         9         5.7         0.83         0.85         0.84         0.88         10         0.84         0.88         10         0.84         0.88         10         0.84         0.88         10         0.84         0.88         10         0.84         0.88         10         0.84         0.88         0.86         0.89         0.88         0.88         0.88         0.88         0.89         0.88         10         0.89         0.88         10         0.89         0.88         10         0.89         0.88         10         0.89</td>	PATE SECDI         3/10/61 of Relation Rela	DATE         3/10/61         HR 18 LAT 47-25N         LONG 127-10W         SDG 2561 VIS 7         WEA 10 LOG 2 LG AMT 5 DRY LONG 127-10W         SDG 25561 VIS 7         WEA 10 LG CLG AMT 5 DRY LONG 127-10W         SDG 25561 VIS 7         NITR. CHL-A         PROD-1         PROD-1           CAST         DEPTH         TEMP.         SAL.         SIGMA-T         OXY.         PHOS.         SIL.         NITR. CHL-A         PROD-1         PROD-1           2         0         9.23         32.569         25.20         6.23         1.56         13         6.6         0.19         0.85         5           2         19         9.22         32.568         25.20         6.14         1.90         9         5.7         0.83         0.85         0.84         0.88         10         0.84         0.88         10         0.84         0.88         10         0.84         0.88         10         0.84         0.88         10         0.84         0.88         10         0.84         0.88         0.86         0.89         0.88         0.88         0.88         0.88         0.89         0.88         10         0.89         0.88         10         0.89         0.88         10         0.89         0.88         10         0.89

E(0)	000	0000	0 0 0 0 0 0 0 0 0 0 0 0	0000	000
• XX0	6.22 6.22 6.14 6.14	5.90 3.82 3.18	2.73 2.00 1.46 1.07	0.7100000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0
GEOPOT.	00 00 00 00	0.139 0.268 0.368	0.439 0.512 0.581 0.711	0.829 0.937 1.038 1.131	1.299
SP.VOL.	4.772 2.772 6.772 6.772	278•5 273•3 201•6 168•4	148.1 140.3 137.3	113.0 104.6 96.6 89.5	78 69 58
SIGMA-T	00000 0000 0000 0000 0000	250 250 250 260 260 260 260 260 260 260 260 260 26	26.59 26.68 26.72 26.88	26.99 27.09 27.18 27.26	27•38 27•48 27•60
E(S)	000	000 000 000 000 000 000	0000 0000 0001 0001	0000	0000
SAL.	32.569 32.566 32.569 32.571	32.553 32.653 33.5553 33.802	33.947 33.989 34.002 34.067	34.129 34.192 34.254 34.312	34.404 34.474 34.848
E(T)	000	000	000000000000000000000000000000000000000	0000	000
TEMP.	0000 0000 0000 0000	9.522 9.22 9.88 7.86	7.12 6.71 5.50 5.63	5.00 4.03 5.03 7.00 7.00	660 004 044
DEPTH	3000	50 100 150	2200 3300 4000	500 700 800	1000 1200 1500
	SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY. E	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY. E  9.23 0.00 32.566 0.000 25.20 277.4 0.000 6.27 0 9.22 0.00 32.569 0.000 25.20 277.6 0.056 6.14 0 9.21 0.00 32.571 0.000 25.21 277.6 0.056 6.14 0	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY. E 9.23 0.00 32.566 0.000 25.20 277.4 0.008 6.22 0 9.24 0.00 32.569 0.000 25.20 277.6 0.056 6.14 0 9.22 0.00 32.571 0.000 25.21 277.6 0.056 6.14 0 9.22 0.00 32.551 0.003 25.20 278.5 0.084 6.12 0 9.28 0.00 32.563 0.003 25.26 273.3 0.208 5.90 0 9.28 0.00 32.563 0.003 25.26 273.3 0.208 5.90 0 9.28 0.00 32.563 0.002 25.26 273.3 0.208 5.90 0 9.28 0.00 32.563 0.002 25.26 273.3 0.208 3.82 0 7.86 0.02 33.802 2.024 26.02 201.6 0.268 3.82 0	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY. E 9.23 0.000 32.569 0.000 255.20 277.4 0.008 66.27 0 9.22 0.000 32.569 0.000 255.21 277.6 0.056 66.14 0 9.22 0.000 32.551 0.000 255.21 277.6 0.056 66.14 0 9.22 0.000 32.553 0.003 25.20 278.5 0.084 66.12 0 9.28 0.000 32.553 0.003 25.20 278.5 0.084 66.12 0 9.28 0.000 32.563 0.003 25.20 278.5 0.039 5.90 0 8.89 0.02 33.546 0.024 26.02 278.5 0.288 3.82 0 7.12 0.07 33.947 0.019 26.59 148.1 0.439 2.73 0 6.71 0.01 33.989 0.008 26.58 140.3 0.512 2.00 0 5.65 0.009 34.002 0.011 26.72 137.3 0.581 1.046 0 5.65 0.009 34.002 0.011 26.72 137.3 0.581 1.07 0	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY. E 9.24 0.00 32.566 0.000 255.20 277.94 0.008 6.27 0 9.22 0.000 32.569 0.000 255.20 277.94 0.008 6.14 0 9.22 0.000 32.571 0.000 255.20 277.95 0.056 6.14 0 9.28 0.00 32.563 0.003 255.20 278.5 0.084 6.14 0 9.28 0.00 32.563 0.003 255.20 278.5 0.084 6.14 0 9.28 0.00 32.563 0.003 255.20 278.5 0.084 6.14 0 9.28 0.00 32.563 0.003 255.20 278.5 0.039 6.12 0 7.12 0.00 33.946 0.024 26.02 201.6 0.268 3.82 0 7.12 0.00 33.989 0.009 26.98 148.1 0.439 2.73 0 6.50 0.009 34.067 0.001 26.88 140.3 0.512 1.46 0 5.13 0.02 34.129 0.000 26.99 113.0 0.829 0.71 0 4.37 0.00 34.129 0.000 27.09 96.6 1.038 0.528 0 4.37 0.00 34.312 0.000 27.26 89.5 1.131 0.028

		PROD-S								
		PROD-I	0.63	9	04.0	•	0.37			
	ar-	CHL-A	0.39	•	0.6	•	0.27			
	3 WEA 02 18, 18	ν Ω Γ Ι								
	SDG 2561 RELHU 93 A 30• 34• 1	SIL.								
_UES	43	PHOS.								
OBSERVED VALUES	16 127-08W 8 WET 8	• YX0	6.22	6.16	6.17	6.19 6.13	6.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	Nan 0000	1.92 1.09 0.76 0.28	0.65
OBSER	16-52N LONG 8 DRY 8.8 7 22 SWL 3	SIGMA-T	25.23	25.24	25.23	25.24 25.24	25•23 25•88 26•21	26.37 26.48 26.56 26.56	26.73 26.89 27.05 27.35	27.56
1 280-014	LAT 4	SAL	32.546	32.560	32.554	32.553 32.562	32.555 33.296 33.610	33.757 33.884 33.899 33.923	33.988 34.052 34.164 34.391	34.516
STATION	1 HR 07 95 CL 6 22 SEA	TEMP.	8.94	8.94	8.96	8.94 8.96	8.96 8.50 7.97	7.66 7.56 7.11 7.12	6.34 0.34 0.46 0.46 0.46 0.46 0.46 0.46 0.46 0.4	2.55
	3/11/6 BA 11 DIR	DEPTH	01	10	19	300	94 75 96	121 145 170 171	258 436 908 908	1434
	DATE SECDI WVEL	CAST	<sub>0</sub>	m	М	44		ღოო <b>-</b>	0	<b>~</b> ∩

PROD-S 7.80

CHL-A PROD-1 0.29

**ОЕРТН** 

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	DEPTH	TEMP.	E(T)	SAL.	E(S)	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY	• XX0	E(0)
ΣΣ	3000	8888 900 400 400 400	00	30000000000000000000000000000000000000	000	2000 2000 2000 2000 2000 2000 2000	274 •8 273 •9 274 •8 7 • 4 • 5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.22 6.16 6.17 6.18	000
ΣΣ	50 75 001	8.99 8.53	000	32.516 33.253	0.030	25.00 25.00 25.00 25.00	278.6	0.200	6.24 4.33	000
Σ		4	0	3.89	00	6.0	56.	333	-1	
ΣΣ	0008 0000 0000	6.38 6.038	0 0 0 0 0 0 0 0 0 4 1 0 0	33.935 33.980 34.006	80000	26.63 26.72 26.78	136.6 131.4 131.4	0.409 0.479 0.546	2.071	0.00 0.00 0.00 1.00
ΣΣ	000	40	00	4.07		6.9	18. 12.	.79 .91	y op	
ΣΣ	00	90	00	4 9 8 9 8 9	000	7.2	92.		0.67	0.01
ΣΣΣ	1000 1200 1500	000 000 000 000 000 000 000 000 000 00	0001	34.424 34.440 34.529	0.005	27.40 27.45 27.58	76.1 72.5 59.7	1.287 1.436 1.634	0.28 0.48 0.12	00.00
					,					
DATE SECDI WVEL	3/11/6 BA 18 DIR	STAT10N 1 HR 14 26 SEA	280- LAT 4 DM	36N 26N 20X 20X 20W	RVED NG 12	VALUES 27-09W S WET	PELHU	WEA VIS 7		

INTERPOLATED AND COMPUTED VALUES

STATION 280-014

	PROD-S										
	PROD-1	0.74	0.72		0.62				E(0)	000	000
	CHL-A P	. 010	0.13		0.04				• YX0	6.20 6.18 6.16 6.16	6.17 5.90 3.40
WEA 02 VIS 7	NITR. C	00	J		0			VALUES	GEOPOT.	0.000 0.027 0.054 0.081	0.135 0.200 0.262
670 U 93	SIL.							COMPUTED V	SP.VOL.	268.3 268.0 268.8 268.8	268.7 2555.7 238.6
127-07W SDG 2 WET 7-3 RELH DIR WA 15	PH0S.							AND	SIGMA-T	255 255 255 25 25 30 25 30	25.30 25.44 25.63
LONG 127- 7.8 WET	• YX0	6.22		<b>-</b>	6.17 6.17 6.18	00000000000000000000000000000000000000		INTERPOLATED	E(S) 8	0000	•000
46-13N LO 8 DRY 7 R 23 SWL	SIGMA-T	25.30 25.30	ຕຸຕ ພຸດ	າ ຄູ	25.30 25.30 25.31	200 200 200 200 200 200 200 200			SAL.	32.582 32.591 32.580 32.585 0	32,588 0 32,753 0 32,833 0
6 LAT 4 DI	SAL.	32.582 32.589	59	• 58	32.588 32.588	32.816 32.568 33.712 33.814		N 280-015	E(T)	00	000
HR 04 14 CL 23 SEA	TEMP.	8•68 8•70	9.0	9 '	8 68 8 66	8.00 7.00 7.00 9.00 7.00		STATION	TEMP.	8888 868 688	8.68 7.79
3/12/61 BA 7 DIR	DEPTH	04 L	112 48 4		1400 0014	81 96 112 129			DEPTH	9000	50 75 100
DATE SECDI WVEL	CAST	ดด	<b>น</b> ผ	N (	u	ดดดด					

OBSERVED VALUES

STATION 280-015

Q 4

		PROD-S	
		SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I PROD-S	
	വദ	CHL-A	
	WEA	NITR.	
	SDG 2743 WEA 63 RELHU VIS 5 WA 55	SIL.	
UES	-	PHOS	
VED VAL	16 127-1 WET DIR	• YXO	0 • 4 1 0 • 7 7 1 • 99
OBSERVED VALUES	R 10 LAT 45-32N LONG 127-11W CL AMT 9 DRY WET SEA 8 DIR 23 SWL 4 DIR	SIGMA-T	27.33 27.54 27.68
TION 280-016	LAT 45 AMT 9 8 DIR	SAL.	34.366 34.505 34.602
STATION	05 H	TEMP.	3.79 2.66 1.94
	DATE 3/12/61 SECDI BA WVEL 20 DIR	DEPTH	879 1386 1944
	DATE SECDI WVEL	CAST	mmm

STATION 280-016 INTERPOLATED AND COMPUTED VALUES

NO INTERPOLATED AND COMPUTED VALUES

		PROD-S																
		PROD-I	0.85	0.78	;	• 0	64.0	0										
	50	CHL-A	60.0	0.18	ć	0 • 24 • 44	717	•										
	WEA VIS	A L I N	5.0	4.3	2.8	44 00			18.0 0.00	0		•	000	34.0		36. 42. 8		420.4 43.3
	SDG 2816 RELHU 86 A 00, 41, 4	SIL	7	4	7	<b>L</b> 4		7	26 26	0	37	17	47 51	62	73	91 123	ì	156
.ues	4,€	PHOS.	0.99	0.88	0.88	0.74		1.19	1.64	1107	•	•	0.00 0.00 0.00	•	•	3.27	•	8.00 8.00 8.00 8.00
OBSERVED VALUES	G 127-09W B WET B. DIR	oxx.	6.43	6.43	6.45	6.46 6.45		6.45	4 • 78	•	3,16	2.71	2.04 2.48			0.67	•	0.4 0.0 0.0 0.0
OBSER	-58N LONG DRY 8.8 24 SWL 4	SIGMA-T	25.22	25.21	25.22	25.22 25.22		5.2	25.82	•	•	٥٠	26.53	26.60	26.78	26.99 27.21	1	27.66
280-017	LAT 44-58N 6 AMT 6 DRY 9 DIR 24 SM	SAL.	32.686	32.670	32.674	32.670 32.677		32,680	33.259	)	33.807	33.880	33,936	33.980	34.045	34.168 34.291	000	34 • 588
STATION	1 HR 01 12 CL 24 SEA	TEMP.	89•6	89•6	99•6	9.63 9.64		•	8.43 6.43		0,1	-1	7.52	Š	<b>ب</b>	24 9 24 0 44	(	2.05
	3/13/6 BA 4 DIR	DEPTH	10	·0·	18	37	4	56	93 93	)		4 4	164	213	353 000	529 779	2	1809
	DATE SECDI WVEL	CAST			1					ı		<b>-</b> - (1	1-	a	ณ	พต	,	าต
			Ω٩	Ţ	٥		⋖											

	E(0)	000	0 00	0000 0000 1400	0000	0.02
	0XY	0000 4444 6000	0 4 E C 0 4 E C 0	2.09 1.59 1.58	0.79 0.38 0.33	0.30
VALUES	GEOPOT. ANOMALY	0000	0000 0000 0000 0001 0001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.808 0.918 1.021	1 • 291 1 • 443 1 • 640
COMPUTED \	SP.VOL.	275 276 276 276 5	279.2 220.0 179.7 157.5	148.9 143.3 136.2 126.8	115-1 106-1 99-0	81.2 71.2 59.7
AND	SIGMA-T	2001 2001 2001 2001 2001 2001	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	26.59 26.65 26.73 26.84	26.97 27.07 27.16 27.22	27•35 27•46 27•58
NTERPOLATED	E(S)	0 0 0 0 0 0 0 0 0 0	0.021 0.011 0.003	0000 0000 1400	0000	000000
H	SAL.	32.686 32.670 32.673 32.673	32.649 33.259 33.721 33.910	33.971 34.000 34.024 34.077	34.147 34.207 34.256 34.301	34.388 34.463 34.543
N 280-017	E(T)	000	0.00	0000	0000	001
STATION	TEMP.	99999 99999 99999	9.68 8.73 7.66	7.32 7.01 6.69 6.02	0.44 4.95 4.05 7.24	3.67 3.16 2.53
	DEPTH	3000	50 75 150	0000 0000 0000	500 700 800	1000 1200 1500

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			PROD-S	7.41									
			PROD-I	1.12	•	1.03		0.83				٠	
	61 6	Φ	CHL-A	00		0 • 30	•	0 • 20					
	WEA VIS	54 1	· α · · · · · · · · · · · · · · · · · ·										
	SDG 2 S RELH	4 40 7 40	THUS. SIL.										
OBSERVED VALUES	126-24W S WET 9.6	OXY.		6.76	6.71	6.71 6.65		6.66	37	3.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	4 1	1-11	0.73 1.67
OBSERVE	10.0	_				25.23 6 25.23 6		25.24 25.25 25.25 25.25		26.29 26.42 26.42		25.888 1 27.01 24.75	
280-018	LAT 44-36N LONG AMT 9 DRY 9-6 2 DIR 09 SWL 4	SAL. S	10	32,598	32•622	32.619 32.620		32.623 23 32.747		33,832 2 33,867 2		34•075 2 34•175 2 34•365 2	
STATION 2	HR 16 1 CL 9 SEA	EMP.	9.24 3	9.24 3	9.28 3	9.28 3	76	9.18 9.18 8.90	• 26 86	7.57 33 7.57 33	-85	27 81	.76 .99
U)	3/13/61 BA 1 4 DIR 0	DEPTH T	01	10	0 4 0 4	300		77.	040	153 168	839	571 571 866 3	350 2 904 1
	DATE SECDI WVEL	CAST	ις Γ	ហ	ľ.	លល	'n	លល	ហល	ผง	ณ ค	W4	44

	E(0)	00 • 0	0000	0000	0000 0000 4011	000
	ox¥.	6.70 6.76 6.71 6.71	0 9 9 8 0 9 0 9 0 0 0 4 0 0 0 0 9	88.00 1.00 1.00 1.00 1.00	0000 7.000 7.000 8.000	0 4 7 7 7 7 7
/ALUES	GEOPOT.	00000	0.138 0.207 0.273 0.378	0.458 0.530 0.598 0.724	0.842 0.954 1.059	1.319 1.463
AND COMPUTED VALUES	SP.VOL.	273 273 274 20 20 20 20 20	275.3 274.4 253.4 168.7	150.3 138.6 130.6 121.3	1110 1099 999 899	76.0 67.9 7.92
TED AND C	SIGMA-T	00000 00000 00000 00000	25.23 25.23 25.47 26.37	26.57 26.70 26.79 26.90	26.97 27.04 27.15 27.25	27.40 27.40 27.49
INTERPOLATED	E(S)	000•0	0.000 0.002 0.019	000 000 000 140 1000	00000	0.005
	SAL.	32.598 32.598 32.622 32.622	32.619 32.620 32.833 33.788	33.929 33.9924 34.036 34.084	34.138 34.195 34.260 34.324	34.418 34.478 34.540
N 280-018	E(T)	00.0	0000	0000	0000	0.04
STATION	TEMP.	0000 0000 0000 4488	9.27 9.19 8.82 7.81	7.18 6.61 5.18 5.63	0044 6.1.3 00.00 00.00	6.00 4.00 9.00 9.00
	DEPTH	3000	50 100 150	0000 0000	8 700 8 000 000	1000

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		PROD-S											
		PROD-I	1 • 46	1.23	•	61.0	0.82						
	<b>-</b> 40	CHL-A	0.36	80			99•0						
	WEA 61	Z T Z											
	SDG 1852 RELHU 99 1 59• 30	SIL.											
LOES	125-49W SD WET 11.1 R DIR 20 WA 5	PH0S.											
UBSERVED VALUES	G 125- 1 WET DIR	oxx.	6.71	6.58	6.71	6.71 6.70		6. 6. 8. 8. 8. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 8. 9. 8. 9. 8. 9. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	3,94	ი . მი. 0 4 ი	7	0 • 0 • 0 0	
	3 LAT 44-21N LONG 6 AMT 9 DRY 11•1 A 3 DIR 21 SWL 4	SIGMA-T	25.15	25.16	25.16	25•16 25•17		25.23 25.23 25.87	26.14	26.37 26.51	1000	27.05 27.18	000
610-082 NO	6 AMT 9	SAL.	32,564	32.566	32.564	32.568 32.572	,	32.584 32.620 33.187	33,482	33.714 33.838	1000	34.163 34.251	7 40
2011410	HR 23	TEMP.	9.51	9.50	9.50	9.48 9.45		9•41 9•28 7•99	7	70 70 70 70 70 70 70	•	4 • 85 4 • 32	
	3/13/61 BA 14 DIR	DEPTH	10	~0	18	300 300 300 300 300 300 300 300 300 300		55 70 87	0	130 150 150	}	51 1 648	C
	DATE SECDI WVEL	CAST	2	Ŋ	Ŋ	ุดด	•	ุดเกม	a	<b>น</b> и-	•		-
			•	_		_							

	STATIO	STATION 280-019		INTERPOLATED	A N N	COMPUTED	VALUES		
DEPTH	TEMP.	E(T)	SAL	E(S)	SIGMA-T	SP.VOL.	GEOPOT.	0XY•	E(0)
3000	0000 0000 0000 0000 0000	000	26 26 26 26 26 26 26 26 26 26 26 26 26 2	000	25.15 25.15 25.16 25.16	282 281.9 282.1 281.5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.71 6.59 6.72 6.72	000
50 75 100 150	9.42 8.91 7.74 7.14	0000	32.582 32.775 33.400 33.829	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.00 26.00 26.00 20.00	280.2 258.6 195.7 156.4	00000000000000000000000000000000000000	0.04 0.04 0.00 0.00 0.00	0000
2200 2000 0000 000	6.61 6.19 5.87 5.38	0000	33.968 34.050 34.059	0000 0000 0000 0000 0000	26. 26. 26. 26. 26. 33. 33.	139.8 129.0 123.5 118.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.88 2.22 0.699 4.499	0000
500 700 800	4446 •••• 04-0 07-0	0011	34.156 34.221 34.283 34.383	00	27.04 27.04 27.04 20.07 20.09	108 999 999 969	0.792 0.896 0.991 1.081	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00011

		PROD-S							
		PROD-I	1 • 66	2.28				E(0)	000
		CHL-A F	0 • 74	0.23				• XX0	66.7 66.7 66.7 66.1
	WEA 63	NITR. C	₩4₩ ₩4₩	6.0 4.0	N444 •••• Loww		VALUES	GEOPOT.	0.000 0.034 0.001
	SDG 51 RELHU 99	SIL.	1130	100	1111 130 151		COMPUTED	SP.VOL. ANOMALY	3333 3333 33133 30133 30133
LUES	1 1 • 1 W	PH0S.	0.96 0.97 0.94	0.89 0.92	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		AND	SIGMA-T	224 244 244 244 264 664
OBSERVED VALUE	LONG 124-10 11.1 WET	• 0×Y•	6.76 6.65 6.70	6.70 6.68	660 660 660 674 74		INTERPOLATED	E(S) S	000000000000000000000000000000000000000
OBSE	44-34N LC 9 DRY 11 R 20 SWL	SIGMA-T	24.61 24.61 24.61	24.62 24.62	0000 4440 6000 4000 4000		I N	SAL.	0000 0000 0000 0000
280-050	LAT 444. AMT 9	SAL	32.023 32.027 32.027	32.037 32.044	32.060 32.083 32.089 32.117		280-020	(T)	0000
STATION	HR 04 99 CL 20 SEA	TEMP.	10.26 10.27 10.28	10•28 10•28	10.26 10.26 10.26 10.23		STATION	TEMP. E	10.28 10.28 10.26 10.26
•	3/15/61 BA 11 DIR	DEPTH .	<b>0</b> m <b>0</b>	L04	10 223 328 7		U,	DEPTH '	0000
	DATE SECDI WVEL 1	CAST		ุดด	ดดดด				Σ
			0	<i>a</i> 0					

		PROD-S							
		PROD-I	1.31	•	1.52	•	41.		
	0.40	CHL-A	0.15	(	85.0	(	6.0		
	WEA 50	NIT B							
	SDG . 82 ' RELHU 99 A 20	SIL							
	21W SE 20 WA 2	PHOS.							
OBSERVED VALUES	LONG 124-21W 9.6 WET 9.6 /L 4 DIR 20 WA	oxx.	6.09 6.47 6.53	6 5 5 5	6.54	6 • 55 6 • 55	6.54	6.51	
OBSE		SIGMA-T	25.12 25.12 25.12	25.12 25.12	25.13	25•12 25•12	25.14	25.17	
STATION 280-021	CL 6 AMT 8 DRY SEA 6 DIR 20 SV	SAL.	32.661 32.655 32.662	32.662 32.662	32,667	32.658 32.658	32.664	32.671	
STATION	# 00 E	TEMP.	10.17 10.16 10.16	10•16 10•16	10.16	10.14	10.09	9 • 95	
	3/15/61 BA 14 DIR	DEPTH	on v	0.40	06	48 4	0 & 0 &	56	
	DATE SECDI WVEL	CAST			-			-	
			_		_		-		

	E(0)	000	6.55 0.00
	0XY•	00.00 00.00 00.00 00.00	0 0 0 0 0 0
/ALUES	SP.VOL. GEOPOT. ANOMALY ANOMALY	00000	285.3 0.086 282.9 0.143
OMPUTED V	SP.VOL. ANOMALY	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	782°5
INTERPOLATED AND COMPUTED VALUES	E(S) SIGMA-T	200 200 200 200 200 200 200 200 200 200	25.15
TERPOLA	E(S)	000000000000000000000000000000000000000	
	SAL.	32.662 32.662	32.669
STATION 280-021	E(T)	000	
STATIO	DEPTH TEMP. E(T)	100117	50 10.00
	DEPTH	0000	) )

		PROD-S										•	
		PROD-I	0 • 41			0 52 52	0.42	•		E(0)	00	0000	
		CHL-A F	0.15		,	09•0	. 58			• XX0	6.71 6.70 6.70 6.73	64 60 60 64 64	2.58
	WEA 02 VIS 7	NITR. C	Ü		'	O	0		VALUES	GEOPOT.	0.000 0.029 0.057 0.085	0.142 0.212 0.274 0.372	0.456
	G 318 ELHU 93 5, 42, 2	SIL. N							COMPUTED V	SP.VOL.	281.9 281.8 282.0 282.0	282.7 280.8 213.3 177.9	159•6
VALUES	41W SD 9.6 R WA 2	PH0S.	0 • 78 0 • 74 0 • 82	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.84	0.84	0.99 1.76 1.88	2.42 2.32 7.32 7.32	AND	I GMA-T	255.16 255.16 255.16 255.16	25.16 25.18 25.90 26.28	26.48
BSERVED VA	ONG 124-	• ××0	6.71 6.65 6.65	6 6 6 7 7 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	6.73	6.68 6.62	6.04 6.04 7.00	3.81 3.17 3.28 2.36	INTERPOLATED	E(S) S	000	000 000 01 01 01 01	
OBSE	-48N LO DRY 10 18 SWL	SIGMA-T	255 25 16 25 16	25.16 25.16 25.16 25.16	25.16	25•16 25•16	25.21 25.85 26.01	26.21 26.32 26.29 26.29	INTE	AL.	.576 .576 .576 .576	.573 0 599 0 373 0	1.942 -
280-022	LAT 44- AMT 4 DIR 1	SAL.	32.576 32.576 32.576	32.576 32.576 32.576 32.576	32,576	32.576 32.576	32.631 33.326 33.493	33.678 33.820 33.794 33.977	280-022	E(T) S	328 328	.00 .01 .01 .03 .03	• 33
STATION	HR 04 99 CL 18 SEA	TEMP.	9 9 9 9 9 9 9 9	9999 9999 9999 9999	9.53	9.54 9.53	9 9 9 9 9 9 9 9 9	88.31 8.34 6.36 87	STATION	TEMP. E	99 99 99 99 99 99 99	99.55 9.55 9.53 9.33	7•91 -
*,	3/15/61 BA 5 DIR	DEPTH	om v	0804 0804	29	33. 28.0	62 78 97 113	135 157 240	O)	DEPTH 1	3000	50 100 150	200
	DATE SECDI WVEL 1	CAST	നനന	ოოოო	ю	ოო	ოო⊷	WN				ΣΣ	Σ

		PROD-S				
		PROD-I				,
	9,9	CHL-A				
	WEA 60 VIS 6 28	NI TR				
	SDG 2377 RELHU 99	SIL				
UES	OW SC 9.1 R	PHOS.	0.79 0.87 0.78 0.73	0.78 0.89 0.78 0.83	1.38 1.78 2.13 2.27	90.6
OBSERVED VALUES	G 125-20W 1 WET 9.1 DIR WA	0××	6666 8822 6666	66.22 66.23 66.23 67.23	46.00 4000 4000 4000	14.0
OBSER	-01N LONG DRY 9•1 18 SWL 4	SIGMA-T	20000 00000 00000 00000	25.10 25.13 25.13 25.15	25.60 26.07 26.32 26.32	00.70
ON 280-023	LAT 45 AMT 9 3 DIR	SAL.	32.643 32.643 32.643 643 645	32.645 32.671 32.696 32.729	33.170 33.551 33.775 33.985	34 • 303
STATION	1 HR 10 98 CL 18 SEA	TEMP.	10000 10000 10000	10.20 10.19 10.18	9.69 8.60 8.12 6.52	4 • 37
	3/15/61 BA 14 DIR	DEPTH	21 20 88 90	37 74 87	105 126 148 256	969
	DATE SECDI WVEL 1	CAST	ผผพพ	ผพพพ	<i>.</i> ๓๓๓⊶	

	E(0)	000	0000	00019	1 1
	0XY•	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 9 9 9 9 9 9 9 9 9 9	2.29 2.06 1.72 1.08	0.65
/AL.UES	SPOWOLY GEOPOTO	0.000 0.029 0.058 0.058	0.144 0.215 0.283 0.390	0.470 0.542 0.608 0.725	0.825
OMPUTED V	SP.VOL ANOMALY	287 • 0 287 • 2 287 • 4 287 • 5	286.4 284.4 255.1 172.8	148.0 138.3 126.7 106.8	94.8
Z3 INTERPOLATED AND COMPUTED VALUES	SIGMA-T	NN	2000 2000 2000 2000 2000 2000 2000 200	26.60 26.70 26.83 27.05	27.18
	E(S)	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.059	         
	SAL.	300 300 300 300 300 300 300 300 300 300	32.662 32.694 33.020 33.786	33.972 33.993 34.056 34.184	34.268
SIAIION 280-023	E(T)	0000	0000	0011	!!!
SIALIO	TEMP.	0000	10 • 19 10 • 19 9 • 88 8 • 08	7 6 6 6 6 6 6 6 6 6 6 6 7 6 6 7 6 7 6 7	4. 04. 04.
	DEPTH	9000	50 100 150	0004 0000 0000	500

		PROD-S	7.30					
		PROD-1	1.51		1 • 32	1.32	,	
	-14	CHL-A	0.29		0 • 21	0 • 30		
	WEA 01	Z I Z						
	SDG 823 RELHU 1 40, 18	SIL.						
-UES	3	PHOS.						
OBSERVED VALUES	G 124-54W WET DIR 22	• ××0	6.26 6.26 6.26 6.26	6.25	6.27	6.26 5.17 3.99	2000 2000 2000 2000	1.01
	45-10N LONG 6 DRY R 20 SWL 4	SIGMA-T	25.11 25.12 25.12	25.13	25.14 25.14	25•14 25•48 26•01	26.33 26.33 26.43 26.47	26.91 27.14
280-024	B AMT	SAL.	32.622 32.630 32.632	32.646	32.666 32.685	32.684 33.048 33.532	33.787 33.818 33.876 33.965	34.086 34.238
STATION	HR 15	TEMP.	10000 10000 10000	10.06	10.10	10 • 14 9 • 82 8 • 85	8 11 7 90 7 64 6 79	5.52 6.52 5.52
	3/15/61 BA 9 DIR	DEPTH	. 200		08.0 08.0	62 78 97 121	145 164 248	433 665
	DATE SECDI WVEL	CAST	ุกทุก	N	ุนผ	พพพ	<b>~~~</b>	

	F (0)		0000	0.00	00	0.01	0.04	000	000	•	!
	XXO	66.25 66.25	6.25	6.27	0.00 0.00	3.12	2.71	2.23	1 • 84		0.72
VALUES	GEOPOT .	0000	0.086	0.143	0.281	0.385	0.466	0.541	0.610	. (	0.967
COMPUTED V	SP.VOL.	2888 2888 2888 2888 2888 2888 2888 288	0 • 6 • 7	284 • 1	246.9	1.00.1	155.4	142.8	123.2	,	105.1
AND	SIGMA-T	2000 2000 1000 1000 1000 1000 1000 1000		200 41. 41.	25.55	60.	26.52	70.70	26.88	26.00	27.08
24 INTERPOLATED	E(S)	000	) 1	000000	0.005	•	0.00	0000	0.003	!!!	1
	SAL.	322 322 322 322 322 532 5432 6432	(	้งน้	33.114	•	33,896		•	34.120	34 • 195
STATION 280-024	E(T)	00 • 0	6	000	0.00			0.02	0.01	1	1
STATIO	TEMP.	10 00 10 00 10 00 00 00 10 00	10.13	100	8.01	7.07	6.77	6.36	2.69	5.18	4 • 79
	DEPTH	3000 3000	r.	17. 12.0	1500	000	250	000	<b>4</b> O	500	000

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		PROD-S	11.76	7.62	2.52	90 • 0		
		PROD-1	1.37	1.24	1 • 1 3	0.97		
	71	CHL-A	0.41	0.25	0•36	0.22		
	WEA 01 VIS 7	αLIZ						
	SDG RELHU A 09, 06	S. SIL.						
VALUES	124-30W WET DIR 22 WA	OXY. PHOS.	6.29 6.28 6.27	.28 72 72	26 26 26	6.24 5.16 5.29	33.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.05
STATION 280-025 OBSERVED VALUES	LONG		25505 25005 25005 666	25.00 25.00	25.07 6.25.06 6.25.07 6.07	25.06 25.16 25.45	25 20 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	26.76 1.
	8 LAT 45-19N 8 AMT 5 DRY A 3 DIR 18 9		32.557 32.564 32.566	32.565 32.565 32.564	32.570 32.554 32.569	32.565 32.678 32.990	32.507 33.629 33.769 33.883	33,998
	1 HR 1 02 CL 18 SE/	TEMP.	100.09	10.08 10.07 10.08	10.06 10.06 10.06	10.06 10.02 9.72	88.94 04.07 7.96 6.7	6.20
	3/15/6 BA 10 DIR	DEPTH	OM 0	10 20 20	4 200 4 200	44 600 000 000	122 147 171 195	293
	DATE SECDI WVEL	CAST	ดดด	ผพพ	พพพ	ดดด	нене	-
			Δ.	⋖	⋖	⋖		

	E(0)		00	0.0	ii
	• XX0	6 2 2 4 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	6.26 7.22 7.22 7.22	3.70	2.64
VALUES	SP.VOL. GEOPOT. ANOMALY ANOMALY	000000000000000000000000000000000000000	0.146 0.218	0.396	0 4 8 8 8 8 8
INTERPOLATED AND COMPUTED VALUES		291.6 291.0 290.9 291.2	291 • 8 286 • 5	185.0	156.4
TED AND C	SIGMA-T	NNNN 2000 0000	25.06 25.12	26.20	26.51
TERPOLA'	E(S)		0.006	0.016	
	SAL	322 322 325 32 555 556 566 566 566 566	32,561 32,635	33.672	33,902
N 280-	E(T)		0.00	00.0	1 1
STATION 280-025	TEMP.	100 100 100 100 000	10.00	8.34	7.48
	DEPTH	3000	50 75	1200	00 00 00 00

		PROD-S									
		PROD-I	1 • 34	1 • 25	1 • 04	0.68			E(0)	00•0	001
		CHL-A F	0.23	0.28	0 • 25	0•11			0XY•	6.37 6.34 6.28 6.18	6.04 9.09 9.09
	WEA 01 VIS	NITR. C	₩₩₩ ₩ <b>~</b> ₩	4 w w	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 3 3 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	4 • 2	VALUES	GEOPOT.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.138 0.206 0.274
	SDG 137 RELHU 87 1 14	SIL	<b>დ</b> 0 დ	P 90	10	8601	1.1	COMPUTED \	SP.VOL. ANOMALY	280.5 279.8 278.6 269.6	273.2 271.8 269.9
LUES	. 69 € 08 € 08	PH0S.	00 00 08 08 00 00	0.87 0.92 0.91	0.82 0.93	0.82 0.89 1.02	1.04	AND	SIGMA-T	255.17 255.18 255.19 25.29	25.26 25.28 25.30
OBSERVED VALUE	LONG 124-13 10.7 WET 1.4 DIR 22	• XX0	6 6 9 8 9 8 8	6 • 3 4 6 6 8 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6.19 6.19 6.10	6.00 0.00 0.00 0.00 0.00	5.76	INTERPOLATED	E(S) S	900•	mo   0000
	45-26N LON 5 DRY 10 R 23 SWL 4	SIGMA-T	25.17 25.16 25.17	25•18 25•18 25•19	25.19 25.29 25.26	25.28 25.28 25.38	25.34	N F M	SAL.	2.624 2.632 2.651 2.788 0	2.737 0 2.757 0 2.778 _
280-0	LAT 45 6 AMT 5 3 DIR	SAL.	32.624 32.617 32.619	32.632 32.631 32.651	32.652 32.783 32.745	32.744 32.760 32.776	32.813	280-026	E(T)	328 328 328 328 328	001
STATION	HR 21 07 CL 6 23 SEA	TEMP.	9•70 9•70 9•70	9 • 68 9 • 68 9 • 68	9.70 9.74 9.72	9.70 9.68 9.64	9.57	STATION	TEMP. E	9.70 9.68 9.68 9.74	9•71 9•68 9•64
	3/15/61 3 DIR	DEPTH	<b>0</b> M0	100 200 200	000 6400	46 62 98 88	123		DEPTH	3000	50 75 100
	CD1	ST									

		PROD-S										
		PROD-I	2.60	17.7	Ċ	97.7	2.25				E(0)	
		CHL-A F	0.33	, 1	1	4	0.23				0XY•	00 444 00 00 00 00
	WEA 02	NITR. CH	00	•	C	<b>5</b>	0			ALUES	GEOPOT.	0.000 0.000 0.0081 0.120
	SDG 37 RELHU 87	SIL. N								MPUTED V	SP.VOL.	4004 4004 4004 374 8
-UES	124-01W SD WET 9.3 RE DIR 22 WA O	PH0S.	0.88	0.88	0.84	0.58 0.88	0.89	0.882		INTERPOLATED AND COMPUTED VALUES	SIGMA-T	23.87 23.87 23.88 24.19
OBSERVED VALUES	124-(5 WET	• ××0	6.44	6.47	6.47	6.47 6.47	6.50	6.48		POLATE	E(S) S	
	45-31N LONG - 6 DRY 10.5 R 22 SWL 4	SIGMA-T	23.87	23.87	23.87	23.87	23.88	23.90		INTER	SAL. E	31.075 31.075 31.083 31.469
ON 280-027	LAT AM1	SAL.	31.075	31.075	31.075	31.075 31.075	31.083	31 • 106 31 • 469		280-027	E(T) 8	ଜଳଳଳ
STATION	HR 00 10 CL 8 22 SEA	TEMP.	10.29	10.30	10.30	10.29 10.29	0.0	10.22		STATION	TEMP. E	100.29 100.29 100.28
	3/16/61 10 DIR	DEPTH	00	พพ	<b>v</b> ) 0	100	200 100	30			DEPTH	9000
	DATE SECDI WVEL	CAST						p-4 p-4				

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		PROD-S										
		PROD-1	0.82	96•0	0.71	0 88			E(0)	00 00 00	0	0000
		CHL-A F	0.43	.27	.54	60•0			• *X0	6.35 6.35 6.35 6.35 7.35 8.35 8.35	•	5.50 2.75 7.50
	WEA 02 VIS 7	NITR. C	0	0	0	0		VALUES	GEOPOT.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	• 14	0.212 0.278 0.383
	6 232 ELHU 73 5, 08, 0	SIL. N						COMPUTED V	SP.VOL.	285.7 285.9 285.8 285.7	80.	273.4 252.3 169.4
VALUES	30W SD 6.8 R 22 WA 1	PHOS.	0.85 0.85 0.78	0 • 87 0 • 89 0 • 84	0.70 0.80 0.78	0.82 0.98 1.07	1.81 2.09 2.11 2.39	AND	I GMA-T	25.12 25.12 25.12 25.12 25.12	5	25.26 25.49 26.37
OBSERVED VA	ONG 124- 8.9 WET 4 DIR	0XY•	00 00 00 00 00 00 00	6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00	6.33 6.33 6.33	6.18 6.10 5.78	3.00 2.00 2.00 2.00 3.00 3.00 3.00 3.00	INTERPOLATED	E(S) S	000	<b>6</b>	000 000 000
OBSE	-35N LO DRY 8 24 SWL	SIGMA-T	255 255 122 122 122	25.12 25.12 25.12	25.12 25.12 25.12	25.21 25.26 25.39	2222 226 266 244 2644	INTE	SAL.	613 617 617 0	•639	.693 .941 .808
280-028	LAT 45 AMT 7	SAL.	32.613 32.613 32.613	32•613 32•614 32•617	32.617 32.618 32.615	32.658 32.700 32.838	33.516 33.795 33.826 33.868	280-028	(T)	32 32 32 32 32	9	.00 .02 .01 .03
STATION	12 CL 8 24 SEA	TEMP.	9.98 9.98 9.98	9 • 98 9 • 98 9 • 98	9.97 9.96 9.95	9.59 9.48 9.38	8.61 8.00 7.85 7.74	STATION	TEMP. E	96.98 9.98 9.96 9.96	•73 0	9.48 9.28 0.06 0.00
٠,	3/16/61 BA 0 DIR	DEPTH	omv	L040	288 388	94 77 96	121 146 171 196	U)	DEPTH 1	3000	50	75 150 150
	DATE SECDI WVEL 1	CAST	ผผผ	ดดด	ผพพ	ოოო				Σ	Σ	Σ
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		PROD-S				
		ď				
		PROD-1				
	02 0	CHL-A				
	WEA VIS 2• 1	NITR.				
	SDG 1609 RELHU 67 A 30, 20, 1	SIL				
LUES	ξņ	PH0S.	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	200 200 200 200 200 200 200 200 200 200	3.57
OBSERVED VALUES	1G 124-58W 7 WET 7.	• XXO	66.22 66.22 66.22 66.22 66.22 66.23	6.28 6.16 6.18 6.00 6.00 6.00	2.31 2.93 0.44 4.46	0.37
	45-39N LONG 9 DRY 9.7 R 23 SWL 4	SIGMA-T	2000 2000 2000 2000 2000 2000 2000	25.16 25.19 25.19 25.19	25.69 26.47 26.83 27.14	27,35
280-029	O AMT	SAL.	32.694 32.694 32.694 32.694	32.718 32.766 32.770 33.254	33.356 33.868 34.041 34.238	34,389
STATION	HR 06 14 CL 23 SEA	TEMP.	000 100 100 100 100 100	10 • 20 10 • 24 10 • 26 10 • 04	9 9 9 7 5 9 8 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3.77
	3/16/61 BA 10 DIR	DEPTH	8800 8000	36 73 91	114 234 390 666	931
	TTE ECDI ÆL	1ST	ოოოო	4444	4 N	Ŋ

STATION 280-029         INTERPOLATED AND COMPUTED VALUES           TEMP.         E(T)         SAL.         E(S)         SIGMA-T         ANOMALY					
E(T) SAL. E(S) SIGMA-T ANOMALY SES-15 282.8 0.029 0.00 32.694 25.15 282.8 0.029 0.00 32.694 25.15 283.0 0.029 0.01 33.829 0.001 25.18 282.7 0.211 0.01 33.829 0.001 25.29 211.4 0.275 0.01 33.890 0.002 26.52 181.4 0.485 0.01 33.890 0.002 26.52 181.4 0.485 0.01 33.890 0.001 26.52 185.7 0.897 0.08 34.050 0.001 26.85 113.7 0.897	0.00	0.0	? ? ?	1.	
E(T) SAL. E(S) SIGMA-T ANOMALY  32.694 255.15 282.8  0.00 32.694 255.15 282.8  0.00 32.758 0.001 25.15 282.7  0.01 33.928 0.001 25.18 275.9  0.01 33.928 0.001 25.23 275.9  0.01 33.890 0.000 25.93 211.4  0.01 33.890 0.001 25.65 155.7  0.03 33.978 0.001 26.55 181.4  0.01 33.890 0.001 26.55 181.4  0.01 33.890 0.001 26.55 1155.7  0.08 34.130 0.001 26.89 113.7	900	נוני נוני	0.0	0.38	
0.00	7000	1.006	0000	1.108	1000
0.00	, est 1	104.6		97.5	000
0.00	000	27.09	VV	27.17	27.25
0.00		0000		11111	
TEMP. E (T)  100.14  100.16  100.24  100.24  100.24  100.39  100.39  100.39  100.39  100.39  100.39  100.39  100.39  100.39  100.39  100.39  100.39  100.39  100.39  100.39  100.39  100.39		34.199	014	34.759	34,319
STATIO TEM TO 100 M		90.0		11.	1
	010	4 • 78	)(	7 4 6 4	4 • 13
DEPT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		600	700	2	800

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		PROD-S	8 • 08												
		PROD-I	1 - 22	10.1		9	0.82								
	20.	CHL-A	0.54	•	4	65 • O	0.25								
	WEA VIS	ZITR.	4.7	4.4	4.4	4 E 0 •	,	n r (	12.7	6-	20.7	23.8	000 010 410	1 0 0	
	SDG 3341 RELHU 80 25, 35, 1	SIL.	11	80	11	13	!	010	0 7	გ გ	36 36 36	73	117		S
LUES	- 3 A	PHOS.	0.84	0.84	0.78	0.79	,	1 - 24 1 - 24	1.92	-0	   	•	20°0 00°0 00°0	•	7
OBSERVED VALUES	G 125-28W 4 WET 80 DIR 18	• \x o	95.9	6.46	6.44	6.43 6.43	,	00.4 44.0 00.4	4 • 74	• •	2.90 2.98	2.16	. 0 C		
OBSER	15-39N LONG 7 DRY 9.4 7 18 SWL 4	SIGMA-T	25.22	25.23	25.22	25•23 25•22		200 000 000 1000	٠	∙ O √	26.54 26.52	6.7	25.88 27.10	) [	/ C = / /
	6 AMT 7 3 DIR 1	SAL.	32,599	32.599	32,599	32.599 32.599		32,985	33.414	33.667	33.887 33.877	33,989	34 • 196 34 • 196		こうけっけつ
STATION	HR 16 12 CL 18 SEA	TEMP.	9.24	9.23	9.25	9.23	(	0 0 0 0 0 0 0 0 0	n	on	7.17	ຕູເ	046 000 400	•	•
	3/16/61 BA 10 DIR	DEPTH	10	-0		32¢1	94	710 010	0	<b>U4</b>	169 177	90	588 573 503	, 0	ייי
	DATE SECDI WVEL	CAST	ო	m	m	ოო	(	ግ (ጎ) (	า	ოო	m⊶	<b></b> (	นดด	ן מ	J

	E(0)	000	0000	0000	0000 •••• 0000 0141	
	0XY•	0000 0000 0000 0000 0000	6.49 3.22 3.22	2.64 2.25 1.89 1.21	0000 0.41 0.41	0.33
/ALUES	GEOPOT. ANOMALY	000000000000000000000000000000000000000	0.138 0.203 0.257 0.346	0.483 0.560 0.560 0.560	0 802 0 908 1 0095 1 095	1.258
OMPUTED V	SP.VOL.	275.3 275.4 275.8 275.8	277•1 239•6 192•0 162•8	145.4 136.7 131.1	110.6 101.2 93.4 86.7	75.9 68.7
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	200 200 200 200 200 200 200 200 200 200	25.21 25.61 26.12 26.43	26.62 26.72 26.78 26.90	27.02 27.12 27.21 27.29	27.41
TERPOLA'	E(S)	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 0000 40000 1000	
	SAL.	32.5599 32.5599 32.5599	32.586 33.092 33.557 33.813	33.939 33.988 34.000 94.059	34.136 34.216 34.285 34.347	34.437
N 280-030	E(T)	000	0000 •••• 0000 0401	0000	0000	
STATION	TEMP.	0000 0000 0000 0000 0000	9.24 9.21 78.30	0000 0400 0404	4444 6000 7000	3.53
	DEPTH	3000	50 100 150	0000 0000	8 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1000

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		PROD-S	7.50	3.42		0.30	00.00						
		PROD-1	000	000	•	0 • 76	0.67						
	61 5 5	CHL-A	0 4 0	•	•	0.27	0.14						
	WEA VIS	NITR.											
	SDG 2459 RELHU 99	SIL											
UES	OW SD 8.8 R WA 2	PH0S.				0 • 82 0 • 82		0.86 1.02 2.04	9	2010 100 100	2.53	2.88 3.17	3.41
OBSERVED VALUES	126-00W WET 8.8	• YX0	6.47	6.46	6.44	6.53 6.43		6.07 3.68	3.72	3.15 3.15	2.24	00 00 00 00 00 00 00 00 00 00 00 00 00	99•0
OBSER	T 45-43N LONG MT 8 DRY 9•0 DIR 18 SWL 4	S1GMA-T	25.26	25.26	25.26	25.26 25.27	1	25.27 25.44 26.17	26.34 0.34	26.59	26.79	27.09 27.28	27.52
280.	5 LA:	SAL.	32,599	32.604	32.604	32.609 32.611		32.509 32.787 33.578	33.691 33.839	33.904 33.882	34.013	34 • 184 34 • 332	34.493
STATION	1 HR 16 08 CL ( 18 SEA	TEMP.	9.04	9.04	9.04	9.05	•	7 8 8 9 8 9 2 8 9 2 9 4	4-	6.91 6.94	00	4.00 3.94 4.00	2.86
	3/16/61 BA 15 DIR	DEPTH	10	~ O	18	328	41	07-0 00-4	4	162 165	247	546 792	1289
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	E(0)	000	0.03	0.12 0.02	0000	0001	1 1
	• XX0	6.44 6.46 6.54 6.51	6.46	3.50	2.80 2.21 1.75 1.07	0000 V 004 W 004	0.32
VALUES	GEOPOT.	0000	0.137	0.257	0.413 0.480 0.543 0.661	0.773 0.877 0.973 1.063	1 • 225
COMPUTED V	SP.VOL. ANOMALY	272 272 272 2 2 2 2 3	273.2	178.9 152.7	138.6 128.9 122.6 114.9	107.9 100.1 92.8 86.2	75.7
INTERPOLATED AND CO	SIGMA-T	250 250 250 250 250 250 250 250 250 250	25.26	26 • 26 26 • 54 26 • 54	26.69 26.80 26.87 26.96	27.04 27.13 27.21 27.29	27.41
<b>TERPOLA</b> 1	E(S)	000	0.007	0.032	0.013 0.001 0.001 0.008	000000000000000000000000000000000000000	
	SAL.	288 288 298 299 299 299 299	10	33.651 33.8651 33.865	33.964 34.015 34.078	34.142 34.210 34.283 34.336	34.423
Z80-031	E(T)	000	0.01	00.00	0000	1000	1 1
STATION	TEMP.	0000 0000 4440	•	7.87	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	444E 444E 4639 4639	3.4
	DEPTH	0000	010	1000	200 200 000 000 000	8000 8000	1000

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		PROD-S				
		PROD-1				
	09,0	CHL-A				,
	WEA 6 VIS	NI TR				
	SDG 1317 RELHU A 38. 38.	SIL				
-UES	3K K	PHOS.	0.79 0.84 0.74 0.84	0.90 0.90 1.33	1.86 1.92 2.36 2.16	2.08 3.00 9.00 9.00 9.00
OBSERVED VALUES	G 125-1 WET DIR	oxy.	66.31 6.31 6.33 6.33	9995 9899 9899	3.15	21.00 0.40 0.00 0.00 0.00
OBSER	15-50N LONG 9 DRY 7 16 SWL 4	SIGMA-T	NNNN NNNN NNNN NNNN	0330 0330 0330 0330	26.11 26.35 26.38 26.38	26.61 26.86 27.06 27.31
280-032	LAT 45 AMT 9	SAL.	32.613 32.598 32.610 32.610	32.602 32.615 32.613 32.991	33.554 33.774 33.789 33.901	33.961 34.050 34.195 34.369
STATION	1 HR 09 00 CL 16 SEA	TEMP.	9.26 9.26 9.27 9.27	9 9 9 9 9 9 9 9 9	8.31 7.86 7.76 7.48	7.08 5.72 4.96 3.96
	3/17/61 BA 13 DIR	DEPTH	2011 88 89	537 923 923	1139 139 162 162	213 380 555 778
	DATE SECDI WVEL 1	CAST	ოოოო	ოოოო	ოო໙ო	00

	E(0)	000	0000	0000 0000 0000	011
	0XY•	6.37 6.33 6.33	6.34 6.19 8.73 8.20	200 110 100 100 100 100 100 100 100 100	0.79
/ALUES	GEOPOT.	0000	0.138 0.207 0.270 0.368	0.446 0.518 0.587 0.715	0.833 0.940
OMPUTED V	SP.VOL.	274.6 275.9 275.3 275.5	275.7 274.5 230.4 162.5	147.6 141.1 134.2 122.6	102.1
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	2000 2000 2000 2000 2000 2000 2000 200	25.23 25.23 25.72 26.44	26.60 26.67 26.75 26.88	27.00 27.12
TERPOLA.	E(S)	0.000	0.002 0.005 0.017 0.002	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.002
	SAL.	32.613 32.598 32.610	32.610 32.642 33.190 33.842	33.962 33.986 34.015 34.065	34.147 34.231 34.300
STATION 280-032	E(T)	00	0000	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
STATIO	TEMP.	9 9 9 9 9 9 9 9 9 9	9.26 9.31 9.10 7.66	7 6 0 16 5 6 3 6 7	5.16 4.76 4.31
	DEPTH	3NP 0000	50 100 150	0000 0000	5000 7000 7000

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		PROD-S	11.56								
		PROD-I	2 • 00	1 • 74	1 • 60	1.62			E(0)		0.001 0.003 0.001
		CHL-A P	• 4 1	•76	• 36	• 32			• ××0	6.34 6.34 6.34 6.34	9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	WEA 02 VIS 6	NITR. CH	٥	0	0	0		VALUES	GEOPOT.	0.000 0.029 0.057 0.085	0.141 0.212 0.279 0.395
	5DG 219 V RELHU 93 V 25, 10	SIL. N						COMPUTED VA	SP.VOL.	281.2 281.3 281.6 282.1	281•3 281•1 255•3 211•3
UES	44W SDG 8•4 RE 24 WA 25	PH0S.	0.96 0.88 0.87	0 0 0 0 0 0 0 0 0 0	0.91 0.83 0.88	0 • 8 • 8 • 8 • 8 • 8	1.68 1.59 1.93 2.36	AND	SIGMA-T A	0 0 0 0 0 0 0 0 0 0	5.17 5.18 5.93
VED VALUES	124- WET DIR	• XX0	66. 6. 44. 7. 7.	6.37 6.35 6.35	6.00 0.00 0.00 0.00 0.00	66 68 68 68 68 68 68 68 68 68 68 68 68 6	44EE	INTERPOLATED	(8)	ល ១ ១ ១ ១ ១	0001 0008 0004 0004
OBSERVED	54N LONG DRY 9.9	SIGMA-T	255.16 255.16 25.16	25•16 25•16 25•16	25.16 25.16 25.17	25.17 25.20 25.46	25.70 25.88 26.05 26.31	INTER	SAL. E	712 712 712 708	.724 0. .746 0. .506 0.
280-033	LAT 45- AMT 8 DIR	SAL.	2.712 2.712 2.712	2.712 2.712 2.712	2.706 2.708 2.716	2.734 2.767 3.061	3.347 3.479 3.582 3.767	280-033	_	<b>QQQ</b> QQ	001 00 00 33 00
STATION 2	HR 14 5 CL 6 6 SEA 3	EMP.	00.16 00.16 00.16	00 00 10 00 10 00 00 00 00 00 00 00 00 0	0 0 0 1 0 1 1 0 0 1 0 0 1 0 0 1 0 0 0 0	0.00 0.03 0.03 0.03	9.00 9.00 9.00 9.00 9.10 9.10 9.10 9.10	STATION 2	EMP. E(T	000000000000000000000000000000000000000	00 00 00 00 00 00 00 00 00 00 00 00 00
·S	3/17/61 BA 09 3 DIR 10	DEPTH TE	On 0	202 10	4300 400 100	4 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	119 143 167 191	V	DEPTH TE	30000	50 100 150
	SECDI WVEL 13	CAST	<b>นน</b> น	ผพพ	ุดพพ	ผพพ			2		

		PROD-S	10.96	7.96		1.26		0.08							
		PROD-I	06.0	0.89		0.88		0.89					E(0)		01
		CHL-A	0.30	0.28		0.24		0.21					• 0XX•	გი ტ ტ • • • • • 44 Ю ഗ	6 36 6 32
	WEA 02	NITR.	6.3	6•1		6•1		6•1				VALUES	GEOPOT.	000000000000000000000000000000000000000	0.147
	SDG 95 RELHU 87	SIL.	16	10		13		14				COMPUTED	SP.VOL.	292.2 292.1 292.3 292.3	292•6 292•2
ALUES	m <b>X</b>	PHOS.	0.98	•	0.93	1.47	0.98	1.61 0.91	0000			AND	SIGMA-T	250 250 250 250 250 250 250 250 250 250	25•05 25•06
OBSERVED VALUES	LONG 124-11V 10-4 WET	r oxy.	6.34 34		6.33 6.34	6.33	6.35	6.32	66.00 60.00 60.00	1		INTERPOLATED	E(S) S		01
	-57N DRY 20 SW	SIGMA-T	25.05 25.05		25.05 25.05	25.04	25.05 25.05	25.05	255 255 255 255 255 255 255 255 255 255			INT	SAL.	32.545 32.547 32.546 32.546	826 836
280-034	LAT 45 S AMT 8	SAL.	32.545 32.542		32.543 32.547	32.540	32,546 32,550	32.544	32.543 32.550 32.551			280-034	E(T) (	MM M	0.00 32
STATION	HR 18 11 CL (	TEMP.	10.07		10.06	10.06	10.06	10.06	10.00 10.00 10.00 10.00			STATION	TEMP. E	10.07 10.06 10.06	0.040
	3/17/61 BA B DIR	DEPTH	om.	4	400		720 720 720		4 <b>2</b> 8 0 00				ОЕРТН	38000	50 75
	DATE SECDI WVEL	CAST				-		-							

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	PROD-S							
,	PROD-1	4 • 36 4 • 37	4 • 19 2 • 81				E(0)	
	CHL-A P	1 • 0 2 0 • 38	•53				• • •	6.40 6.40 6.34
WEA 50	NITR. CH	-0	ŏŏ			VALUES	GEOPOT.	0.000 0.048 0.091 0.129
SDG 40 V RELHU 94 V	SIL. NI					COMPUTED VA	SP.VOL.	476•7 477•8 383•7 360•7
£ 7	PH0S.	1.09	1.06	1001 1001 1004 1004		AND	SIGMA-T	23.11 24.09 24.33
VG 124-00W 0 WET 10	oxx.	6.60	6.75	0000 044W 0004		INTERPOLATED	E(S) S]	10101010
45-52N LONG 77 DRY 11.0	SIGMA-T	23.11	23.10	23 24 24 24 24 24 24 24 24 24		INTE	SAL.	30.084 30.071 31.320 31.658
LAT AMT	SAL.	30.084 30.068	30.071	30.664 31.330 31.536 31.658		280-035	E(T) 3	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
HR 21 15 CL 6 20 SEA	TEMP.	10.20	10.22	10 • 16 10 • 14 10 • 18		STATION	TEMP. E	10 • 20 10 • 20 10 • 14
3/17/61 BA 8 DIR	DEPTH	o⊣m	4 4 8 0 0	3000 000 000			DEPTH	9800
DATE SECDI WVEL	CAST							

OBSERVED VALUES

STATION 280-035

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		PROD-S										
		PROD-I	2.97	66 ° 7	, ,	1.88				E(0)		1
		CHL-A F	84.0	V 4 • ·	u 5	0.32				• ××0	6.38 6.38 6.38 6.36	6.25
	WEA 50 VIS 4	NITR. C	Ů.	,					ALUES	GEOPOT.	0.000 0.041 0.078 0.114	0.181
	64 LHU 94	SIL·N							INTERPOLATED AND COMPUTED VALUES	SP.VOL. ANOMALY	418•7 384•1 367•4 351•6	318.4
.UES	ο¥	PHOS.	66•0	66•0	66•0	1.02	0.99 1.008 1.000	0.98	O AND COL	SI GMA-T	23.72 24.08 24.26 24.43	24.78
OBSERVED VALUES	MG 124-05W 6 WET 10 1 DIR	• ××0	6.51	6.48	6.48	6.38	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.29 6.24	3POLATE(	E(S) S		?
OBSE	LAT 46-02N LONG AMT 8 DRY 10-6 DIR 23 SWL 1	SIGMA-T	23.72	23,73	23.88	24.08	24 24 24 24 24 24 24 24 24 24 24 24 24 2	24.64 24.82	INTE	SAL. E	0.887 1.335 1.562 1.784	32,231 -
ON 280-036		SAL.	30.887	30,898	31.072	31,335	31.543 31.562 31.585 31.784	32,050 32,289	ON 280-036	E(T) 8	8666	32
STATION	HR 23 17 CL 6 23 SEA	TEMP.	10.30	10.28	10.21	10.20	10.20 10.20 10.23	10.19	STATION	TEMP. E	10.30 10.20 10.20	10.20 -
••	3/17/61 BA 3 DIR	DEPTH	00	พต	91	900	3080 3080	4 0 0 0		рертн	9800	20
	7E C01	ST	-	-	-	1						

		PROD-S									
		PROD-I	1.08	1.16	1.03	1 • 09			E(0)		0.01
		CHL-A P	.67	• 23	4 2	• 45			0XY•	0000 0000 0000 0000	6.30 6.30 5.69
	WEA 02	NITR. CH	0	0	0	0		VALUES	GEOPOT.	0.000 0.029 0.057 0.086	0.142 0.213 0.281
	137 HU 81	SIL. N						COMPUTED V	SP.VOL.	283.7 283.0 283.0	282.9 282.5 265.5
ı_UES	124-32W SDG WET 9.0 REI DIR 22 WA 05	PHOS	0.99	0.89 0.97 1.24	1.00	0.92 0.93 0.94	1.01	AND	SIGMA-T	200 200 200 10 200 10 10 10 10 10	25.15 25.16 25.35
OBSERVED VALUES	LONG 124- 10.5 WET	oxx.	6 • 28 6 • 34	6.34 4.04 4.04	6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00	66.0 6.00 6.00 6.00 6.00 6.00 6.00 6.00	6.08 4.35	INTERPOLATED	E(S) 9		0.000
	T 46-05N LO MT 2 DRY 10 DIR 22 SWL	SIGMA-T	25.14 25.14	2000 2000 2001 2000 1000 1000	25.15 25.15 25.15	25•16 25•16 25•17	25.23		SAL.	32.694 32.694 32.694 32.694	32.704 0 32.725 0 32.942 -
V 280-037	3 LAT 4	SAL.	32.694 32.694	32.694 32.694 32.694	32.694 32.694 32.694	32.702 32.708 32.725	32.815 33.359	N 280-037	E(T)		001
STATION	20 CL 22 SE	TEMP.	10.22	10.23 10.22 10.18	10•16 10•16 10•16	10.15	10.26	STATION	TEMP.	10.22 10.22 10.16	10•17 10•21 10•12
	3/18/61 8A 3 DIR	DEPTH	<b>o</b> m	1100 000	3000 0000	<b>3</b> 00 74 74	92 116		DEPTH	9800	50 75 100
	DATE SECDI WVEL	CAST	e e	нен	ннн	ผพพ	ดด				Σ
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		PROD-S											
		PROD-I	0.88	00.0		0.92	0.80						
	00,	CHL-A	0.38	0.30		0.70	0.33				•		
	WEA VIS	NITR.	4.9	6.3	6.2	4 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	7.7	8.4 16.6	23.2	0.70	10/3	31.6	9
	SDG 732 RELHU 80	SIL.	10	12	14	130	14	010	31	20 10 10 10	,	9 5 7 8	000
JES	9W SD 8 1 R	PHOS.	1.07	1.08	1.04	1.04	1.13	1.21	1.85	200 000 000 000 000 000 000 000 000 000	06.	2.47	30
OBSERVED VALUES	124-49W WET 8.1	0XY•	6.36	6.34	6.937	6.36 6.36	6.28	5.99	4.19	3000	000	2.63	1 4 1
OBSER	46-12N LONG DRY 9.7 R 18 SWL 1	SIGMA-T	25.14	25.14	25.15	25•16 25•16	25.17	25.50 25.31	25.92	26.32	2007	26.56	27.06
ON 280-038	LAT 46-	SAL.	32.690	32.690	32.690	32.690 32.690	32,690	32.730 32.764	33.458	33.749	30.	33.917	34.183
STATION	HR 07 22 CL 18 SEA	TEMP.	10.20	10.20	0.1	10.06	0.0	10.02 9.50	0,0	7.95	•	7.19	0
	3/18/61 BA 5 DIR	DEPTH	01	~ 00	9.	<b>9</b> 0 40		866 82	م سر ر	144	)	228	609
	DATE SECDI WVEL	CAST	ო	ო	m	നന	m	നന	ო	ว ⊶ ๙	)	-۸	ı
			0 -	7		n	Λ						

							PROD-S	10.86
E(0)	000	00000	0000 0000 0000 0000	!!			PROD-1	1.44
• XX0	6.35 6.35 6.35	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	3.06 2.33 1.72 0.80	0.68			CHL-A P	0.34
GEOPOT. ANOMALY	0.000 0.029 0.057 0.085	0.142 0.211 0.275 0.379	0.466 0.544 0.615 0.746	0.866 0.978		WEA VIS	Đ	0
SP VOL ANOMALY	283 282 282 582 0	281.9 274.3 237.1 179.3	166.7 146.5 136.7 125.1	115.3 108.1		SDG RELHU		
SIGMA-T	2505-14 255-14 255-14 15-15	25.25 25.25 25.65 26.26	26.40 26.62 26.73 26.86	26.97 27.05	ALUES	25-03W S WET JIR WA		
E(S)		000000000000000000000000000000000000000	0.0021 0.009 0.000		OBSERVED VALUES	. 5		
SAL.	32.0680 32.680 32.680 32.680	32.692 32.737 33.141 33.701	33.817 33.948 34.005 34.057	34.118 34.178		DRY Sw		
E(T)	000	0000	0000 4000 4000		ON 280-038D	A A F		
TEMP.	10.20 10.19 10.01	10.00 9.74 9.05 8.09	7.77 6.95 6.47 5.47	5.25 4.94	STATIO	1 HR 14 22 CL 18 SEA		
рЕРТН	3000	50 100 150	0000 0000 0000	500		3/18/61 BA 5 DIR	DEPTH	0
		Σ	ΣΣΣΣ			DATE SECDI WVEL		

INTERPOLATED AND COMPUTED VALUES

STATION 280-038

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		PROD-S				
		PROD-I				
	0.0	CHL-A				
	WEA 00 7 VIS 6 04	NITR.				
	SDG 1470 RELHU 87 A 08, 08, 0	SIL.				
-UES		PHOS.	0.991 0.998 0.908	1009	2.18 2.31 2.37 2.36	0 0 0 0 4 0 0 4 1 0 0 0
OBSERVED VALUES	1G 125-08W 7 WET 8-6 DIR 18 W	oxx.	6.38 6.38 6.38	6.41 6.43 6.37	33.00 2.00 2.00 3.00 1.00	1.91 0.72 0.31
	-12N LONG DRY 9.7 18 SWL 1	SIGMA-T	25.17 25.17 25.18 25.20	200 200 200 200 200 200 200	26.38 26.38 26.44 26.44	200.70 27.00 27.00 40
280-039	LAT 46-12N AMT 9 DRY 1 DIR 18 SI	SAL.	32.675 32.675 32.675 32.681	32.636 32.630 32.653 33.470	33.708 33.829 33.882 33.884	34.003 34.143 34.287
STATION	HR 13 21 CL 18 SEA	TEMP.	9 9 9 9 9 9 9 9 9 9	0000 0000 00440 0000	8 20 7 98 7 64 7 58	0046 0046 000 000
	3/18/61 BA 9 DIR	DEPTH	9000	4.080 0000	125 175 193	290 484 7460 1036
	DATE SECDI WVEL	CAST	ოოოო	ოოოო	ოოო-	

	E(0)		00	0000 0000 0000	00001	!!
	OXY.	6.38 6.38 6.38 6.38	6.39 6.39 80.37	2.76 2.31 1.83 1.12	0000 0000 0400 0000	0.36
VALUES	GEOPOT.	0.000 0.029 0.057 0.084	0.140 0.210 0.270 0.363	0.443 0.516 0.585 0.710	0.825 0.932 1.031	1.293
COMPUTED	SP.VOL.	280 • 2 280 • 4 280 • 2 278 • 1	276.8 279.6 203.2 168.1	152.8 141.0 132.0	110 102.9 96.2 90.0	78.9
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	25.17 25.17 25.18 25.20	25.22 25.19 26.00 26.38	26.55 26.68 26.77 26.92	27.02 27.11 27.18 27.25	27,38
TERPOLA	E(S)		0.003	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0001	
	SAL.	32.675 32.675 32.675 32.681	32.624 32.609 33.460 33.829	33.918 33.974 34.012 34.092	34.153 34.213 34.267 34.317	34.408
STATION 280-039	E(T)		0.02	0000	00001	
STATIO	TEMP.	90 90 90 90 90 90	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	7 6 6 6 6 6 6 6 7 7	0444 00741 00141	3.60
	DEPTH	3000 3000	50 100 150	250 300 400	500 600 700 800	1000

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•		PROD-S															
		PROD-I	2.12	1 • 70		Z•16	1.14	† ·									
	03	CHL-A	0.43	0 • 4 1	•	0.16	0.43	)									
	WEA VIS	NITR.	9•9	9•9	6.5	6.7 6.8		9•9	, o	)	-	ů.	201 201 201 201 201 201 201	31.0	36.4	39.1	<b>4</b> 300
	SDG 1463 RELHU 86 1 40, 35, 1	SIL	12	6	0	13		σ	47		28	ტ (	D O N M	51	06	110	140
.UES	56W SE 8.3 F	PHOS.	0.89	0.92	0.87	0.82 0.98		96•0	0.90		1.90	2.11	0.04 0.04 0.04	2.43	2.91	3.21	3.02
OBSERVED VALUES	G 124-56W 6 WET 8.3 DIR 18 WA	• ××0	6.41	6.65	6.51	6.45 6.44 6.44		6.37	6.38 5.30	•	4.18	3.82	3.03 3.03 3.03	2.73	1.46	0 0 0 0 0	\$7°
OBSER	-30N LONG DRY 9•6 18 SWL 1	SIGMA-T	25.16	25•17	25•17	25•17 25•18		25.18	25.20 25.47	·	25.92	26.07	26.27	26.55	26.83	70072	27.7
ON 280-040	LAT 46-30N 4 AMT 6 DRY 2 DIR 18 SI	SAL.	32,632	32.632	32•632	32.632 32.632		32.628	32.621 33.011		33.462	33.001 33.001	33.740	33,909	34.041	<b>4.</b> • • • • • • • • • • • • • • • • • • •	ついつ・ナワ
SIATION	HR 17 17 CL 18 SEA	TEMP.	9.78	9.76	9.75	9.72		•	9.51 9.68		្ទា	• 1	8.24	7.24	0	000	ì
	3/18/61 BA B DIR	DEPTH	10	10	19	378	46	56	75 94 04	•	<b>-</b> (	<b>†</b> <	164	216	ον	10	•
	DATE SECDI WVEL	CAST	၈	ю	ю	44		4	44	•	4 <	4 -	-4	⊶,	٦.	م ر	J
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E(0)	00	0.01	0.02	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
• ××0	0 0 0 0 0 0 0 0 0 0 0 0 0	6.39		2.83 2.39 1.94 1.23	0.00 0.00 0.00 0.00 0.00
GEOPOT.	0.000 0.029 0.057 0.085	0.141	0.276 0.384	0.472 0.547 0.616 0.745	0.862 0.969 1.068 1.160
SP.VOL.	281.2 281.0 281.0 280.7	280 • 4	241 •8 191 •0	158.4 143.6 133.8 122.7	111.6 102.7 95.1 89.1
SIGMA-T	25.16 25.17 25.17 25.17	25.18	25.60 26.14	26.49 26.65 26.76 26.88	27.01 27.11 27.19 27.26
E(S)	000 • 0	00000	0.009	000 000 001 000 000	0000
SAL.	32.632 32.632 32.632 32.632	32.620	33.142 33.637	33.880 33.963 34.017 34.072	34 • 146 34 • 211 34 • 260 34 • 321
E(T)	00	00.0	0.04	000000000000000000000000000000000000000	0111
TEMP.	9.78 9.76 9.75 9.72	9.66	9.56 8.57	7.51 6.82 6.32 5.67	0444 0400 0400 0400
DEPTH	3000	50 75	150	0000 0000 0000	500 7000 800
	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  9.78 9.78 9.78 9.75 9.75 9.75 9.75 9.75 9.75 9.75 9.75	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  9.78 9.76 9.75 9.75 9.75 9.75 9.75 9.75 9.75 9.75	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY.  9.78 9.75 9.75 0.00 32.632 9.75 9.75 0.00 32.632 9.75 0.00 32.632 9.75 0.00 32.620 0.000 25.17 280.7 0.005 6.41 6.50 9.51 9.56 0.00 32.621 9.51 9.55 0.009 25.18 280.4 0.141 6.39 9.55 0.004 33.142 0.009 25.60 241.8 0.276 3.62 4.97	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALLY OXY.  9.78 9.76 9.75 0.00 32.632 9.75 0.00 32.632 0.000 25.17 281.0 0.029 6.41 280.7 280.7 280.0 0.057 6.50 6.45 9.75 0.00 32.620 0.000 25.18 280.4 0.141 6.39 9.56 0.004 33.142 0.009 25.60 25.18 260.4 0.141 6.39 9.56 0.004 33.142 0.009 25.60 241.8 0.276 4.97 26.82 7.51 0.01 33.880 0.011 26.49 158.4 0.472 2.83 6.32 6.32 0.07 26.88 122.7 0.745

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		PROD-1 PROD-S	1.691	1.77	,	1•16	0.86	
	01 <b>-</b>	CHL-A	0 • 30	•		0.22	0.26	
	WEA 02	Z H						
	SDG 91 RELHU 94	SIL						
VALUES	ທ≸	PHOS.	1.09	1.02	06.0	0.88	1.05 0.97 0.86	
OBSERVED VA	LONG 124-24W 12-3 WET 11- /L 1 DIR 18	- VX0 -	6.48	6.44	6.38	6.34	6.29 6.29 6.29	
	-22N DRY 15 SW	SIGMA-T	24.10	24.35	24.94	25.02	25.04 25.06 25.06	
	LAT LAM 1	SAL.	31 • 342	31.643	32,395	32,500	32.538 32.557 32.557	
STATION	HR 22 19 CL 4 15 SEA	TEMP.	10.12	10.06	10.03	10.04	10.06 10.06 10.05	
	3/18/61 BA 6 DIR	DEPTH	00	um	10	10	404	
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			STATIO	ION 280-042		OBSER	OBSERVED VALUES	ALUES					
	DATE SECDI WVEL	3/19/61 BA 5 DIR	H 72 C		LAT 46-21N LC AMT 8 DRY 12 DIR 22 SWL	LONG Y 12.8 SWL 1	G 124- 8 WET DIR	124-12W SI WET 11.5 DIR 18 WA	SDG 37 RELHU 94 1 20	WEA 02	αIr		
	CAST	DEPTH	TEMP.	SAL.		SIGMA-T	• • •	PHOS.	SIL	NI TR.	CHL-A	PROD-I	PROD-S
0 -	-	٥.	9.72	23,353		17.96	7.03	1.08			0.64	2.88	
-	-	→M	9.52	24,31	1	18.73	6.91	1.07			99•0	3.06	
a .	-	400	06•6	28,745		22•12	6.54	1.12			0 • 30	2.73	
7		00	10.04	30,428	8 23.	• 41	6.48	1.01			0 36	<b>2.</b> 09	
		4 0 t	10.08	31.478		23.88 24.21	6.37	1.08					
		28	00	31.68		36	6.32						
								•					
													٠
			STATIO	10N 280-042	. 24	INTER	POLATE	INTERPOLATED AND COMPUTED VALUES	OMPUTED	VALUES			
		DEPTH	TEMP.	E(T)	SAL.	<b>u</b> l	(8)	SIGMA-T	SP.VOL. ANOMALY	GEOPOT.	-\ -\ 0x\	• E(0)	
		100 200	9.72 10.06 10.13	0.00	23.353 30.669 31.521		0.068	17.96 23.59 24.24	971 • 3 431 • 2 369 • 3	0.000	7.03 6.46 1	0000	

		PROD-S											
		PROD-I 1 • 43 1 • 43			1.653							E(0)	
	WEA 02	CHL-A 0.40		0 • 56	0.41							GEOPOT. ANOMALY OXY.	00044 00044
		NITR. C	6.8	9•9	6.5	9•9	9.9	0 0 0 0 0 0	9•9		ALUES		0000 •••• 0001 0480 0480
	SDG 42 RELHU 87 1 07	SIL.	19	23	18	16	21	- 40 - 40	16		COMPUTED VALUES	SP.VOL.	429 1 401 5 391 9 379 2
OBSERVED VALUES	T 46-11N LONG 124-09W SD 4T 8 DRY 11•1 WET 9•4 R 51R 18 SWL 1 DIR WA 0	PHOS.	1.00	0.95	0.98	1.00	96.0	000	1.67		AND	SIGMA-T	88888 8888 8888 8888 8888 8888 8888 8888
		0XY•	6 4 4 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1	INTERPOLATED	E(S) S1								
		SIGMA-T	23.61	23.63	23•81	23.90	23.95	24.00 24.11 24.11	24.49		INTER	SAL. E	30.744 31.096 31.228 31.406
ON 280-043	S LA	SAL.	30.744	30 • 769	30,998	31.096		31.370	31 • 854		280-043	E(T) 8	<u> </u>
STATION	HR 03 17 CL 18 SEA	TEMP.	10.29	10.27	10.26	10.18	oc	000000000000000000000000000000000000000	10.20		STATION	TEMP. E	10.29 10.18 10.18
	3/19/61 BA 8 DIR	DEPTH	0-	•m	4.00	00	100	9 <b>0</b> 0	40			DEPTH	0000
	۲۵۳	É											

		PROD-S										PROD-S	9.40
		PROD-1	1.30	1.38				E(0)	001			PROD-1	1.71
		CHL-A	0.68	0.59				• 0XX	7 6 6 3 8 3 8			CHL-A	0.52
	WEA 00	NITR.					VALUES	GEOPOT. ANOMALY	0.000 0.072 0.107 0.141		WEA VIS	U	
	SDG 50 RELHU 81 1 40	SIL						SP.VOL.	1061 • 8 367 • 0 341 • 4 332 • 4		SDG RELHU		
UES	<b>1</b> ₹	PHOS.	1.44	1 • 22 1 • 08	1.07 0.98 1.07	66.0	INTERPOLATED AND COMPUTED	SIGMA-T	24 - 00 24 - 00 24 - 00 24 - 00 24 - 00 33 - 00	UES	3		
OBSERVED VALUES	NG 124-11W •4 WET 8• 1 DIR 18	• <b>XX</b> 0	7.03	6.70 6.51	6.451 6.433 6.433 6.433	6,36	RPOLATED	E(S) SI	0.0031	OBSERVED VALUES	46 124-20W WET DIR		
OBSE	15N LONG DRY 10.4 8 SWL 1	SIGMA-T	17.02 19.92	22•81 23•98	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	24.65	INTER	SAL. E	22.083 31.572 31.920 32.036		N N N		
280-044	LAT 46-19 AMT 9 1	SAL.	2.083 5.923	29.693 31.209	31.643 31.853 31.918 31.924	32.063	280-044	_	22 00.00 1.00 31 32 32 32	280-0440	LAT 46-5 AMT DIR		
STATION 2	HR 05 6 CL X 8 SEA	TEMP.	9.36 2	0.22 0.21	0000 44441	0.20	STATION 2	TEMP. E(T)	00 1 9m m 0 m N N N 00 00	STATION 2	HR 14 CL SEA		
U)	3/19/61 BA 1 6 DIR 1	DEPTH T	ON	410.00	23	31 1	Ø	ОЕРТН Т	3000	S	3/19/61 BA DIR	DEPTH	0
	DATE SECDI WVEL	CAST				1		J			DATE SECDI WVEL	U.	
			σα	∢ 0									∢

		PROD-S	23.10 8.16	1.72	90•0		
		PROD-I	5.00 4.96 96	4.98	3.0		
	1.9	CHL-A	0.90	080	0.83		
	WEA 6	PHOS. SIL. NITR. CHL-A					
	16 27 ELHU 8 15	SIL					
20.0	0W SD 9.5 R	PH0S.					
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	124-1 WET DIR 2	• ××0	7.00	6.98	6.84	6.87 6.45	6.38
CIALLON ESCHOLO OBSERVED VALOES	19 LAT 46-35N LONG 124-10W SDG 27 WEA 61 AMT DRY 10.7 WET 9.5 RELHU 81 VIS 6 EA 2 DIR 12 SWL 2 DIR 27 WA 05	SIGMA-T	18.10	18.13	19.51	20.06 23.13	24.30
1000	LAT 46- AMT 2 DIR 1	SAL.	23.523	23.555	25,351	26.077	31,580
	2 H 2 S	TEMP.	9.64	9.64	9.72	9.82	10.06
	3/19/61 BA 10 DIR 1	DEPTH	0-	ខា	മം	110	20
	DATE SECDI WVEL	CAST	-		-		-
			0 -	Λ.			

			(		
H TEMP. E(T) SAL.	E(S)	E(S) SIGMA-T	SP VOL A	GEOPOT. ANOMALY	0XY
9.64 23.523		18.10	957.5	00000	7.00
		20.06	769.2	0.087	6.87
		24 • 30	363.9	0.143	6.38

	PROD-S							
	PROD-1	3.75 3.58	3.55				E(0)	0.11
	CHL-A F	0 • 28 0 • 33	0.39				0X.Y	6.04 6.04 6.36
WEA 61 VIS 6	II TR.	00	0 0			/AL UES	GESPOT.	0.000 0.065 0.119
SDG 40 RELHU 99 1 22• 30	SIL.				- مئز	INTERPOLATED AND COMPUTED VALUES	SP. WALY	651.3 632.5 448.8
124-14W SE WET 8.9 F DIR 27 WA 2	PH0S.	1.51	1.14	1.00 1.007 1.003		ED AND CO	S1GMA-T	21.29 21.49 23.41
LONG 124- 9.1 WE	• ××0	6.64	6.26	0000 0000 0000 0000		RPOLATE	E(S) 8	0.035 0.051
46-45N LO 8 DRY 9 R 13 SWL	SIGMA-T	21.29	21.37	22.27 23.33 23.70 24.53			SAL.	27.681 27.933 30.426
LAT AMT	SAL.	27.681	27.783	28.949 30.331 30.811 31.880		ON 280-046	E(T)	00000
1 HR 21 02 CL 13 SEA	TEMP.	9.94	9.94	001 000 000 000 000 000 000		STATION	TEMP.	9.94 9.93 10.02
3/19/61 BA 13 DIR	DEPTH	0+n	4000	201 203 203			DEPTH	500
DATE SECDI WVEL	CAST			NN				Σ
		n a	4 1					

STATION 280-046

		PROD-S									•
		PROD-I	2.59	2.14	2.29				E(0)	000	0.02
		CHL-A F	• 54	• 56	• 45				• XX0	6.37 6.37 6.38 6.38	6.27
	WEA 21 VIS 6	NITR. CH	0	0	0			ALUES	GEOPOT.	0000	0.147 0.219
	SDG 101 N RELHU 93 N 18	SIL. N						COMPUTED VALUE	SP.VOL.	2955 2955 2955 294 294 294	288.0 285.7
FS	% & X	PHOS.	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.96 0.98 1.07	0.99 0.94 1.02	0.91 0.96 1.02			SIGMA-T S	25.00 25.00 25.00 25.00 25.00	13
OBSERVED VALUES	5 124-31V 5 WET DIR	oxy.	6.37	6.35 6.37 6.38	6.38 6.38 6.38	66. 60. 60. 60. 60. 60. 60.		INTERPOLATED AND	918 (8)	000000000000000000000000000000000000000	002 25
OBSER	5-44N LONG 5 DRY 10.5 13 SWL 2	I GMA-T	25.01 25.02	25.01 25.02 25.01	25.02 25.02 25.03	25.06 25.12 25.13		INTER	Ш	473 473 6479 0.64	581 0•(
280-047	LAT 46-4 AMT 6 13	SAL. SI	32.473 32.473	32.473 32.473 32.473	.479 .480	32,531 32,603 32,608		280-047	) SAL	8888	32
ON 28(	00 L,	Ś	32	2000	32 2	332		ON 28	Ε(T	000	0000
STATIC	00 HR C	TEMP.	9.94	9.00 9.00 9.00 9.00	9.92 9.93 9.94	9.94 9.90 9.87		STATI	TEMP	0000 4000 4000	9.92 9.87
	3/20/61 BA 16 DIR	DEPTH	OW4	904	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38 57 76			DEPTH	3000 3000	50 75
	DATE SECDI WVEL	CAST									

		PROD-S								
		PROD~1		1.62		1.59	1 • 4 1			
	02	CHL-A	0.68	0.34		0.27	0 • 45			
	WEA VIS	NI TR								
	SDG 1829 RELHU 93	SIL.								
UES	· ~ 3	PH0S.	0.91	0.93	0.92	0.99	0.93 0.91 1.34	00 00 00 00 00 00 00 00 00 00 00 00 00	2.52 2.99 3.34 3.38	0
OBSERVED VALUES	125-30W 4 WET 7.5 DIR W	• ××0	6.41	6.44	6.42	6.41 6.41	6.43 6.37 5.41	30000000000000000000000000000000000000	1.75 0.77 0.34 0.38	99.0
OBSER	LAT 46-47N LONG AMT 4 DRY 8.4	SIGMA-T	25.22	25.22	25.22	25.23 25.22	25 25 25 25 25 25 25 25 25 25 25 25 25 2	26.12 26.30 26.48 26.48	26.75 27.00 27.23 27.40	07.40
280-048	an (V	SAL.	32,685	32,685	32,685	32 <b>.</b> 694 32 <b>.</b> 680	32.682 32.687 33.028	33.599 33.716 33.858 33.884	34.015 34.134 34.297 34.423	34.554
STATION	20 CL 29 SEA	TEMP.	9.68	89•6	89•6	9•68 9•68	9.68 9.68 9.58	8.52 7.90 7.38	5.35 5.06 3.51 5.14	2.44
	3/20/61 BA 9 DIR	DEPTH	01	· O\		38	948 777 96	121 145 169 196	294 490 735 1018	1566
	DATE SECDI WVEL	CAST	Ю	М	ю	ოო	ოოო	ოოო→		8
			σΦ	[	∢		⋖			

	E(0)	000	0000	0 0 0 0 0 0 0 0 0 0 0	0000	0 0 0 1	
	• ××0	66. 64. 64. 64. 64. 64. 64. 64.	0000 0000 0000 0000	2.72 2.20 1.70 1.09	0000 4000 4000 6000	0.37 0.44 0.61	
VALUES	GEOPOT.	000000000000000000000000000000000000000	0.139 0.208 0.273 0.376	0.456 0.527 0.595 0.721	0.837 0.943 1.040 1.131	1 • 296 1 • 442 1 • 636	
AND COMPUTED VALUES	SP.VOL.	275.7 275.9 276.0 275.1	277•1 277•6 240•7 171•2	148.9 137.0 133.3	110•7 101•5 93•6 87•3	77.6 69.3 59.8	
TED AND C	SIGMA-T	2000 2000 2000 2000 2000 2000 2000 200	25.22 25.21 25.21 26.35	26.59 26.72 26.76 26.91	27.02 27.12 27.21 27.28	27.39 27.48 27.58	
INTERPOLATED	E(S)	000000000000000000000000000000000000000	0.002 0.002 0.003 0.004	0.033 0.036 0.001 0.008	000000000000000000000000000000000000000	000	
•	SAL.	32.685 32.685 32.685 32.685	32.679 32.678 33.130 33.749	33.939 34.017 34.010 34.091	34.141 34.209 34.275 34.331	34.417 34.483 34.546	
N 280-048	E(T)	000	0000	000000000000000000000000000000000000000	0000	011	
NOT IN I	TEMP.	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9.68 9.68 9.43 7.48	7.13 6.62 5.30 5.56	0.446 0.001 0.001 0.001	3.55 2.55 5.55 5.55 5.55 5.55 5.55 5.55	
	DEPTH	3000	50 100 150	0000 0000 0000	500 700 800	10000	
			Σ	ΣΣΣΣ	ΣΣΣΣ	ΣΣΣ	

CHL-A 3/20/61 HR 15 LAT 46-47N LONG 125-30W SDG 1829 WEA 04 BA 20 CL 8 AMT 4 DRY 8.4 WET 7.5 RELHU 93 VIS 7 9 DIR 29 SEA 2 DIR 29 SWL 3 DIR WA OBSERVED VALUES STATION 280-048D DEPTH

PROD-S

PROD-1 8.86

0.22

0

		PROD-S	80.6	7.64		1 • 86	0.24		
		PROD-1	1 • 16	1 • 31		1 • 09	66•0		
	۵۲	CHL-A	0.43	0.29	,	0 • 33	0 • 36		
	WEA OZ	SIT N							
	SDG 1051 RELHU 1 24 10	SIL.							
.UES	3	PHOS.	1.04	96.0	0.93	0.93	0.93 0.88 1.47	200 000 000 000 000 000 000 000 000 000	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
OBSERVED VALUES	G 125-13W WET DIR	oxx.	6.37	6.33	6.35	6.29	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	46 80 80 80 80 70 70	2.26 0.86
	-SSN LONG DRY 27 SWL 1	SIGMA-T	25.15	25.16	25.16	25•17 25•17	25.17 25.17 25.18	26 26 26 26 26 26 26 26 26 26 26 26 26 2	26.67 26.95
ON 280-049	LAT 46 B AMT 4 2 DIR	SAL.	32.637	32,637	32.642	32.642 32.642	32.642 33.660	33.507 33.747 33.842 33.868	33.978 34.106
STATION	1 HR 20 22 CL ( 27 SEA	TEMP.	98•6	9.84	9.84	9 • 80 9 • 80	9.78 9.79 9.50	8.71 8.16 7.65 7.54	6 16 5 36
	3/20/6) BA 5 DIR	DEPTH	10	10		100	4.080 8000	124 149 174 188	282 471
	DATE SECDI WVEL	CAST	8	8	Ŋ	ผผ	ดดด	<b>ผผผ</b> -	

	E(0)		0000	0.00	
	oxy.	6.337 6.337 6.255	6 φυν • • • • • • • • • • • • • • • • • • •	2.53 2.28 1.38	0.57
/ALUES	GEOPOT.	0.000 0.029 0.057 0.085	0.212 0.212 0.277 0.382	0.5465 0.540 0.611 0.743	0.863
OMPUTED	SP.VOL.	282 281 281 281 281 3	281.6 282.8 241.9 176.0	154 144 129 129 100 100	114.6 107.8
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	25.15 25.15 25.15 17	25.17 25.16 25.60 26.30	26.53 26.64 26.70 26.86	26.98 27.05 27.09
TERPOLA	E(S)		000 000 000 000 140 100	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	SAL.	32.6637 32.6637 32.6642 32.642	32.641 32.633 33.123 33.753	33.897 33.963 33.995 34.060	34.119 34.147 34.153
STATION 280-049	E(T)		0000	0000	
STATIO	TEMP.	0000 0000 0000 0000	9.79 9.80 9.47 9.14	7 • 34 6 • 91 5 • 61	5.19 4.72 14.19
	DEPTH	0000	50 100 150	0000 0000 0000	500 700

		PROD-S										
		PR0D-1	0.78	76.0	1.62	1 • 35			E(0)		0.00	0.04
		CHL-A F	0.22	0.27	0.29	0 • 4 0			0XY•	0000 0000 0000 0000	6.38 9.38 9.58	3.65
	WEA 03 VIS	NITR. C	J		Ü	C		VALUES	GEOPOT.	0.000 0.029 0.058	0.2143 0.214 0.214	0.400
	G 219 ELHU 86 0. 03. 0	SIL. N						COMPUTED V	SP.VOL.	288 2886 286 286 44 282 4	282.1 283.0 275.0	•
VALUES	49W SDG 7.7 REI WA 10	PH0S.	0.98 0.99 0.99	0.92 1.000 1.000	0 • 9 • 9 • 9 • 9 • 9 • 9	0.84 0.92 1.17	2.65 2.25 2.25 2.48	AND	SIGMA-T	255.09 255.09 25.11 25.11	25.16 25.16 25.25	26 • 13
	4G 124-49W 9 WET 7	0XY•	6.34 6.35 8.35	6.36 6.36 6.46	6.37 6.41 6.41	6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3.75 3.75 1.72	INTERPOLATED	E(S) S			•003
OBSERVED	-43N LONG DRY 8•9 24 SWL 1	SIGMA-T	255 255 255 255 255 255 255 255 255 255	25.09 25.09 25.11	25•14 25•16 25•16	25.16 25.16 25.25	25.63 26.08 26.31 26.47	INTER	SAL. E	32.592 32.592 32.613 32.668		•588 0
280-050	LAT 46 8 AMT 5 2 DIR	SAL.	32.592 32.592 32.592	32.592 32.594 32.613	32.652 32.668 32.673	32.667 32.667 32.747	33.149 33.546 33.737 33.849	280-050	E(T)	พัพพัพ	m m m	0.01
STATION	23 CL 8	TEMP.	100.00 100.00 000 000	10000	10.00 9.99 9.97	9.96 9.94 9.81	9.36 7.96 7.96 8.50	STATION	TEMP.	100 100 100 100 100 100 100 100 100 100	9.96 9.95 9.81	040
	3/21/61 BA 3 DIR	DEPTH	<b>0</b> m <b>0</b>	2110 2010	0004 0000	600 000 000 000	122 146 170 195		DEPTH	9000	50 100 100	រា
	DATE SECDI WVEL	CAST	ดดด	ุกทก	ุดผล	ผพ๓					Σ	

		PROD-S								
		PROD-1	1 • 24	1•29	1.35	1 • 34		E(0)		000
		CHL-A P	0.51	0.28	84.0	0•39		• <b>XX</b> 0	6.35 6.35 6.35 11.32	6.932
	WEA 01 VIS 7	NITR. CF	J	o .	5	O	VALUES	GEOPOT.	0.000 0.029 0.058 0.058	0 143
	SDG 109 RELHU 80 1 03	SIL. N					COMPUTED V	SP.VOL.	2885 2885 2885 284 4	284 • 4
LUES	0,3	PHOS	1.00	0.97 1.26 1.05	0.97 1.02 0.97	0.97	AND	SIGMA-T	255.12 255.12 255.13 25.13	25.14
OBSERVED VALUES	LONG 124-41W 9.2 WET 7.	• Y×0	000 000 000 000 000	6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6.31 6.31 6.32	6.31 6.27	INTERPOLATED	E(S) S		0.001
OBSE	LAT 46-56N LO AMT 3 DRY 9	SIGMA-T	25.12 25.11 25.11	25.12 25.13 25.13	25.13 25.13 25.14	25•14 25•15	INTE	SAL.	32.608 32.601 32.608 32.609	32.613 0
280-051	Ŋ	SAL.	32.608 32.608 32.608	32.601 32.608 32.608	32.608 32.609 32.612	32.615 32.632	280-051	E(T)	ตัดตัด	0.00
STATION	23 CL 8	TEMP.	9.00 9.00 9.00 0.00	9.90 9.86 9.85	9 • 84 9 • 85 9 • 84	9 • 8 • 9 • 8 • 8 • 8 • 8 • 8 • 8	STATION	TEMP. E	9.00 9.00 9.00 9.00 0.00 0.00 0.00	9.84
-,	3/21/61 BA DIR	DEPTH	omo	2010 2050	222 330 0 0 0	4 9 8 6 0 0		DEPTH	3000 3000	50
	F 5m	F								

	PROD-S											PROD-S	5.46
	PROD-I	2.45	• •	2.92	•			E(0)				PROD-I	69•0
	CHL-A F	00		44.0	0			• XX0	6.97 6.47 6.28			CHL-A	0.02
WEA 02 VIS 7	NITR. C						ALUES	GEOPOT.	000 000 000 000 000 000 000		WEA VIS	U	
SDG 24 RELHU 86 1 26	SIL.						COMPUTED VALUES	SP.VOL.	1080 • 8 578 • 6 435 • 7		SDG RELHU		
5W SDC 6.2 RE WA 26	PHOS.						Q Z	MA-T	226 226 33 55 55 55 55	UES	3		
G 124-15W S 3 WET 6.2 DIR WA	• YX0	6.97	7,05	7.04	6.47	6.53 6.28	TATERON ATER	E(S) SI	<b>-</b> ~~~	OBSERVED VALUES	16 125-11W WET DIR		
57N LONG DRY 7.3	SIGMA-T	16.83	19.29	20.40	22.05	23.55 23.55	и Н 2	SAL• E	21.847 28.650 30.595		47-12N LONG T DRY IR SWL		
LAT 46~57N LOWT DIR 09 SWL	SAL.	21,847	25.078	26.523	28.650	30.026 30.595	980-080 980-080	E(T) (9	ณีพัต	280-0520	LAT 47- AMT DIR		
HR 07 23 CL 09 SEA	TEMP.	9.46	9.76	9.84	68•6	9 • 95 9 • 98	NOTFATA	TEMP.	00.0 480. 00.8	STATION	HR 15 CL SEA		
3/21/61 BA 5 DIR	DEPTH	0-	<b>⊣</b> ෆ	4 N		1 20 20		DEPTH	1000 000		3/21/61 BA DIR	DEPTH	0
DATE SECDI WVEL	CAST	 Ω<	. ⊷ •	4 .	<b>ι</b>	~~					DATE SECDI WVEL		٨
			•	-	~								

OBSERVED VALUES

STATION 280-052

		PROD-S				
		PROD-1				
	87	CHL-A				
	WEA OZ VIS 7	NITR.	7.00 4.00	0.9	0 0 4 0	9 B
	SDG 31 RELHU 1A 07	PHOS. SIL.	200 808 808	25	19	4 4
ES	.5	PH0S.			1.00	1.09 1.03
OBSERVED VALUES	124-19 WET DIR	• ××0	7.01 7.01 6.75	6.62	6.60	6,33 6,31
OBSERV	LAT 47-06N LONG 124-19W AMT 9 DRY WET DIR 09 SWL 1 DIR	SIGMA-T	19.98 20.20 21.10		23.82 24.45	
280-053	LAT 47-0 AMT 9 1	SAL.	25.952 26.241 27.411	28,289	30.926	31.954 31.985
STATION	22 CL 09 SEA	TEMP.	9.68 9.74 9.78		9.90 9.94	9.94 9.94
	3/21/61 BA 5 DIR	DEPTH	0 m v	10	202	30 30 30 30
	501 EL 1	ST		<b>-</b>		

S	ratic	STATION 280-053		TERPOLA	INTERPOLATED AND COMPUTED VALUES	OMPUTED \	/ALUES		
TEMP. E	W.	E(T)	SAL.	E(S)	υ,	SP.VOL.	GEOPOT. ANOMALY	0XY•	E(0
9.68			25.952		19.98	776.4		7.01	
9.68Z			31,755		21 • 78 24 • 45	604 • 4 340 • 0	0.070	6.62	
200			000					•	

		PROD-							
		PROD-I					E(0)		!
		CHL-A					0XY•	6.27 6.06 6.31 6.85	6.13
	WEA 02 VIS 7	NITR. C				AL UES	GEOPOT.	000000000000000000000000000000000000000	0.145
	SDG 73 RELHU 79 1 02	SIL. N				COMPUTED VALUES	SP VOL ANOMALY	288 288 288 288 5 88 8	287.6
,	ø <b>≩</b>	PH0S.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.00 0.97 0.99	0.98	A D D	IGMA-T S	0000	•10
	G 124-35W 7 WET 6. DIR	oxx.	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6.29 6.31 6.31 6.85	6.32	INTERPOLATED	) S (S)	ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស	25
	17-07N LONG	SIGMA-T	200 000 000 000 000	25.08 25.09 25.09 25.09	25•10 25•10	INTER	LLI	ການ ຄອງ ຄອງ ຄອງ ຄອງ ຄອງ ຄອງ ຄອງ ຄອງ ຄອງ ຄອງ	555
	LAT 47-C AMT 9 DIR 09	Ą	6000 6000 6000 1000	538 538 542 536	•551 •548	280-054	) SAL	~~~ ~~~ ~~~ ~~~	- 32.
	CL SEA 1	S	8888 8888 8888	322	8 32 5 32	NO I	• E(T	തമാത ത	
	22 29	TEMP	0000	9999	9.7	STAT	TEMP	0000	7.6
	3/21/61 BA 4 DIR	DEPTH	OM 40 0	9000 0000	4 9		DEPTH	9000	50
	DATE SECDI WVEL	CAST							

OBSERVED VALUES

STATION 280-054

		PROD-S								
		PROD-I						E(0)	0	000 I
		4						0XY•	6.38 6.37 6.37	000 m 000 m 000 m 000 m
	WEA 00 VIS 7	NITR. CHL-					VALUES	GEOPOT.	0.000 0.029 0.057 0.085	0.141 0.210 0.279
	DG 200 'RELHU 86 12	SIL. N		`			COMPUTED V	SP.VOL.	280 • 8 280 • 7 280 • 5 279 • 7	279•1 278•5 275•2
VALUES	ω. ¥¥	PH0S.	000 000 000 000 000	1.08 0.02 0.98 1.07	0.95 0.96 0.99 0.99	2.64 2.03 2.03	AND	I GMA-T	25.17 25.17 25.17 25.18	2000 2000 2000 2000 2000 2000 2000 200
OBSERVED VA	. 1 DIR	• XXO	66.34 6.34 6.36 7.03 7.03	6.97 6.94 6.96 6.96	0000 0000 0000 0000	4.63 3.77 3.56	INTERPOLATED	E(S) S	000	0000
	47-10N L9 9 DRY B R 09 SWL	SIGMA-T	25.17 25.17 25.17 25.17	25.17 25.17 25.18 25.18	25.19 25.20 25.21 25.21	25.69 26.08 26.15		SAL.	32.631 32.636 32.639 32.642	32.644 32.648 32.691 0
280-055	LAT 1 DI	SAL.	32.631 32.638 32.638 32.634	32.636 32.639 32.636	32.641 32.647 32.648 32.648	33.248 33.578 33.637	280-055	E(T)	000	0001
STATION	20 CL 09 SEA	TEMP.	9.75 9.76 9.76 9.76	9.78 9.75 9.72 9.70	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9.47 8.68 8.49	STATION	TEMP.	9.75 9.75 9.75 0.75	9 9 9 9 9 9 9 9 9
•	3/21/61 BA 4 DIR	DEPTH	00.00	~000 0040	9488 988 988	122 146 170		DEPTH	3000	100 100 100 100
	-									

		PROD-S										
		PR00-1	1 • 35	1 • 24	-	9 7 • 1	1.15					
	50.	CHL-A	000	100	Ċ	15.0	0.48					
	WEA	NITR.										
	DG 1225 RELHU 79 12, 05	SIL										
UES	WA S	PH0S.	0.82	0.93	0.89	0.91 0.99		0.93 0.94 1.10	1.89	000 000 1000 1000	2.65 3.37 3.37	
OBSERVED VALUES	3 125-20W I WET 6. DIR 27	• YX0	6.45	6.32	6.32	6.33		6.34 6.34 6.04	• (	2.74	000 000 000 000 000 000	
OBSER	47-12N LONG T 7 DRY 8.1 IR 09 SWL 1	SIGMA-T	25•15	25.15	25.14	25•15 25•17		25 25 25 25 24 34	90	200 200 200 200 200	000 000 000 000 000 000 000	
280-056	LAT 47. 4 AMT 7 2 DIR (	SAL.	32,625	32,626	32.622	32.627 32.645		32.687 32.694 32.755	33.523	33.856 33.892	33.985 34.092 34.269 34.383	
STATION	HR 17 19 CL 09 SEA	TEMP.	9.84	9.84	9.85	9.84 9.82		90 90 90 90 90	10	7.47	0046 044 044 044	
	3/21/61 BA 7 DIR	DEPTH	10	10		NW 4 400	4	978 606 606	<b>N4</b>	173	292 486 727 1018	
	DATE SECDI WVEL	CAST	N	N	u	ุดด		ผพพ	NN	ıN⊶	нннн	
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	E(0)		0000	0000	1000	•
	• XXO	გიტი • • • • • მოლი მოოლ	6.35 3.95 2.95 2.95 2.95	2.40 2.39 1.48	0.98 0.71 0.56	6.0
ALUES	GEOPOT.	0.000 0.029 0.057 0.085	0 • 142 0 • 211 0 • 278 0 • 389	0.473 0.549 0.620 0.754	0.877 0.989 1.092 1.185	1 - 35.4
AND COMPUTED VALUES	SP.VOL.	2882 2882 2882 40 40 40	278.9 275.5 264.0 179.7	155.6 146.3 139.6 128.0	118.0 107.1 97.2 89.3	70.6
IED AND C	SIGMA-T	2000 2000 2000 1100 1000 1000 1000 1000	25.20 25.20 25.36 26.26	26.52 26.62 26.40 26.83	26.94 27.06 27.17 27.26	75.70
INTERPOLATED	E(S)		0.002 0.002 0.009 0.009	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.001	1
	SAL.	32.625 32.626 32.622 32.627	32.669 32.692 32.784 33.722	33.8890 33.9854 33.9950 34.049	34.103 34.177 34.240 34.308	34.370
SIA110N 280-056	E(T)		0000	0000	0001	1
011410	TEMP.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	9.75 9.61 9.28 8.23	7.41 6.97 6.61 5.95	N444  WWWO WNWO	3.48
	DEPTH	3000	50 100 150	0000 0000 0000	500 700 800	1000

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		PROD-S	12.84	8.40	o c	000	0.10								
		PROD-I	1 • 4 1	- I	06.	^ •	0.92								
	۵۲ <i>-</i>	CHL-A	0.00	65.0	44.0	•	0 • 32								
	WEA 02 9 VIS 7 34, 45	NI TR	7.	0	7.6	0	7.7								
	SDG 1737 RELHU 79 A 15, 28, 3	SIL		<b>-</b>	-	1.	16								
-UES	125-49W SE WET 6.9 F DIR WA	PH0S.	96.0	100	1.01	1.00	1.16	000	1.51	1.93	20.00	900 900 900	2.46	0 0 0 0 0 0 0	5.00 0.00 0.00
OBSERVED VALUES	125-4 4 WET DIR	• \x0	6.16	6.37	6.36	6.44 6.42		6.4 1.4 በ	5.13	1	3.82	3.51	3.12	2,36	1.00
OBSER	-17N LONG DRY 8.4 SWL	SIGMA-T	25.21	25•21	25.23	25.23 25.22		25. 25. 20. 20.	25.60	26.10	26.26	04.0 04.0	26.66	26.84	00°//0
ON 280-057	LAT 47-17N MT 6 DRY DIR SI	SAL.	32,569	32.568	32,591	32.588 32.571		32.580	33.061	33.588	33.704	33.826	33,995	34.065	34 • 1 / y
STATION	HR 20 18 CL 2 SEA	TEMP.	9.18	9.16	9.16	9•15 9•13		9.12	-	ທີ	7	7.78	6	5.96	00
	3/21/61 BA DIR	DEPTH	00	100	19	98. 98.	8	28 74	76	122	146	171	ല	355 355 375	りト
	DATE SECDI WVEL	CAST	-	-	1						- (	N-	8	რ ი	ე <b>4</b>

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	E(0)	00	0000	0000	0
	• XX0	6.16 6.37 6.37 6.44	6.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.00 2.00 2.00 2.00 3.00 3.00 3.00 3.00	1.68 1.29 0.94
VALUES	GEOPOT.	0000	0.138 0.207 0.270 0.372	0.454 0.528 0.595 0.721	0.837 0.942 1.038
COMPUTED V	SP.VOL. ANOMALY	276.7 276.6 275.0 275.4	276.8 269.3 235.4 171.7	156.7 139.0 131.0	1100-1 1000-6 92-2
INTERPOLATED AND CO	SIGMA-T	255 255 255 255 255 255 255 255 255 255	25.22 25.30 25.66 26.34	26.51 26.70 26.79 26.90	27.02 27.13 27.22
rerpola.	E(S)	000	0.000 0.002 0.009 0.037	0.00 0.00 0.00 0.00 0.00 0.00	00000
	SAL.	32 32 32 55 55 55 55 56 56 56 56 56 56 56 56 56	32.566 32.681 33.133 33.778	33.888 34.017 34.057 34.092	34.155 34.210 34.286
N 280-057	E(T)	00	0000	0000 •••0 4100	011
STATION	TEMP.	9999 9916 9916	9.12 9.16 9.10 7.97	7.42 6.77 6.33 5.65	6.00 4.00 1.00 1.00
	DEPTH	0000	50 100 150	0000 0000 0000	500 700 700

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		PROD-S												
		PROD-I	2.10	C 6 • 1	-	•	1.03							
	۳۲-	CHL-A	0.0	0.0	6	•	0.44							
	WEA 03	NITR.	9.2	0.6	0.6	9.0	10.6	16.4	• •	26.00 20.00 20.00	30.0	34.0	42.0	45.6
	SDG 2012 RELHU 80	SIL	14	15	18	15 16	9	32	44	44 04	47	167	1120	183
LOES.	03	PHOS.	1.17	1.22	1 • 1 7	1.19	1.17	2.20	2.26	000 400 900 900	2.59	2,89	3.40	3,60
UBSERVED VALUES	1G 126-08W 3 WET 7	• \x0	6.41	6.74	6.48	6.38 6.40	0	3.00 140 140	3.21	3.20	2.52	1.65	0.38	0,0
08367	-17N LONG DRY 9.3 SWL 1	SIGMA-T	25.32	25,31	25.32	25.32 25.32	14.70	25.68	26.26	26.33	26.55	26.79	27.21	27.49
280-028 NO	LAT 47-1 6 AMT 8 [	SAL.	32.672	32,667	32,671	32.679 32.672	32,773	33.108 33.601	33.754	33, 893	33,938	34 • 025	34.285	34.474
SIATION	HR 02 14 CL 6 12 SEA	TEMP.	9.02	9.01	9.02	9.00 8.98	0	8 86 8 66	• •	8.06	ന	6.13	NO	3.00
	3/22/61 BA 10 DIR	DEPTH	10	۰0	18	227 26	<b>4</b> ռ Առ	973	⊶ (°)	140 161	217	374 545	781	1248
	DATE SECDI WVEL	CAST	ю	ო	е	ოო		าคต	ოო	) <b>~</b> M	-	<b>→</b> 0	10	a
			Q.	∢	•	₹	⋖							

	E(0)	000	0000	0000	00 0 1 00 0 1 04 ft 1	
	0XY•	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	04.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2.44 2.38 1.412 1.47	00 00 84.00 94.00 76.00	0.34
ALUES	GEOPOT.	00 00 ••••• 00 00 00 00 00 00 00 00	0.133 0.195 0.247 0.334	0.413 0.488 0.561 0.696	0.816 0.925 1.026 1.121	1 • 296 1 • 450
COMPUTED VALUES	SP.VOL.	266 266 266 266 3	262.4 228.8 186.5 163.3	152.7 148.2 141.6 127.8	113.9 103.9 97.7 93.0	81.9
AND	SIGMA-T	200 200 200 200 200 200 200 200 200 200	25.37 25.73 26.18 26.43	26 26 26 26 26 26 33 33 33 33 33 33 33 33 33 33 34 34 34	26.98 27.09 27.17 27.22	27.35
INTERPOLATED	E(S)	0.000 0.001 0.002	0.003 0.007 0.017 0.020	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 0000 0000	
	SAL.	32.672 32.667 32.673 32.676	32.726 33.164 33.683 33.860	33.944 33.957 33.985 34.047	34 - 132 34 - 202 34 - 252 34 - 252	34.380
N 280-058	E(T)	000	0000	0000	000 •••0 1000	
STATION	TEMP.	90 90 90 90 90 90 90	88.99 8.00 8.00 8.00 8.00 9.00 9.00 9.00	7.44 7.12 5.92 92	0444 01-40 01-40	3.68 3.15
	DEPTH	3800	50 100 150	220 3300 4000	8 7 6 0 0 0 0 0 0 0	1000

		PROD-S															
		PROD-I	990		-	•	0.56	) •									
	ω <b>r</b>	CHL-A	0.00	2	7	•	0.32	]									
	WEA 63	NITR.															
	SDG 1450 W S RELHU 87 WA 45. 30. 08	SIL															
	126-03W SD WET 8.6 R DIR WA 4	PHOS.	1.17	1.17	1 • 1 4	1.16		1.17	1 • 47	2.18	2.29	2.40		2.49	2.65	2.82	3,00
OBSERVED VALUES	G 126-0 3 WET DIR	• YX0	6.44	6.45	6.46	6.44 6.44		6.38	5.52	3.71	3,34	3.00	2.82	2.79	2.05	1 .59	000
OBSEK	-34N LONG DRY 10.3 13 SWL 1	SIGMA-T	25.26	25.26	25.26	25•26 25•26		25.27	25.53	26•11	26.28	26.40	26.44	26.46	26.69	26.81	27.03 04.70
SIATION 280-059	7 LAT 47-34N 6 AMT 8 DR) 4 2 DIR 13	SAL.	32,621	32,617	32,618	32.619 32.620		32.621	32,928	33,593	33,725	33.820	33,857	33.864	33,992	34.012	34 • 147 34 • 365
SIATION	HR 07	TEMP.	9.12	9.12	9.12	9.11		0	8.92	ហ	0	7.78	•	•	7	6	400
	3/22/61 BA 13 DIR	DEPTH	10	10		004 000	۴ 4	9	79	66	N	149	^	_	Ö	4	5557 7577
	DATE SECDI WVEL	CAST	ო	m	ო	ოო		m	m	m	Ю	m	N	ო	N		

	STATIC	STATION 280-059		TERPOLA	INTERPOLATED AND COMPUTED VALUES	OMPUTED \	/ALUES		
DEPTH	TEMP.	E(T)	SAL.	E(S)	SIGMA-T	SP.VOL. ANOMALY	GEOPOT.	• XX0	E(0)
3000	99.12		32.621 32.617 32.618 32.619		2000 2000 2000 2000 2000	271 272 272 272 24 25	00000	0000 •••• 4444 4004	
100 100 150	9.09 8.96 8.52 7.77	0000	32.590 32.838 33.606 33.822	0000 •••• 1000 4100	25.25 25.45 26.12 26.40	273.9 254.8 191.6 165.7	0.137 0.253 0.259 0.348	6.47 3.67 2.99	0000
0000 0000 0000	7 • 6 • 6 • 6 • 6 • 6 • 6 • 6 • 6 • 6 • 6	0000 •••• 4010	33.906 33.972 34.004 34.051	0000 •••• 0000 4 www	26.52 26.64 26.74 26.88	155.5 144.5 135.1 123.0	0.428 0.573 0.573	2.57 2.17 1.82 1.28	00000
500 700 800	24.18 4.76 9.36 9.86	0	34.126 34.176 34.248 34.323	0.011	26.98 27.07 27.17	113.8 106.1 97.1	0.9821 0.931 1.032	0000	0 0 1 1

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		PROD-S				
		PROD-I				
	<b>6</b> 0	CHL-A				
	WEA VIS	NITR.				
	SDG 1500 RELHU 99 1 10, 09	SIL				
-UES	€٥	PHOS.	11 00 00 00 00 00 00 00 00 00	1.06 1.06 1.06 1.06	0000 -400 -400 -400	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
OBSERVED VALUES	ONG 125-49W 8.9 WET 8.	oxx.	0000 •••• 0014 0017	0004 •••• 4406 ¤nne	3.72 2.97 2.71 2.38	-000 •••• ••• ••• ••• ••• ••• ••• •••
OBSER	47-49N LOP	SIGMA-T	255.19 255.19 255.19	25.20 25.20 25.20 25.20 25.20	26.15 26.49 26.54	26.76 26.98 27.23 27.38
280-060	LAT 47. AMT 9	SAL.	322 325 325 325 325 325 325 325	32.558 32.577 32.625 33.343	33.622 33.887 33.910	34.011 34.113 34.292 34.393
STATION	1 HR 02 07 CL 14 SEA	TEMP.	0000 0000 0000 0000	9.22 9.16 9.18 8.98	8.44 7.80 7.50 7.33	3.50 3.50 3.50 3.50
	3/22/61 BA 18 DIR	DEPTH	9000	4 9 8 6 0 0 6	124 149 174 196	294 489 733 1025
	DATE SECDI WVEL	CAST	ุดดดด	ดดดด	<b>พพพ</b> =	

	E(0)		0000	0000 •••• 4000	000	•
	• *X0	66.00 44.00 64.00 64.00 64.00	6 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2.4 2.08 1.080 1.080	0000 884 0000	0.33
/ALUES	GEOPOT.	0.000 0.028 0.056	0.140 0.209 0.271 0.367	0.447 0.520 0.589 0.716	0.833 0.941 1.039 1.130	1 • 296
COMPUTED VALUES	SP.VOL.	278.6 273.7 278.7 278.8	278.0 277.4 216.3 167.3	152.3 141.9 133.1 121.3	112.7 102.7 93.9 87.0	79.4
AND	SIGMA-T	25.00 25.00	25.22 25.22 25.82 26.39	26.55 26.67 26.76 26.90	26.99 27.11 27.20 27.28	27.37
INTERPOLATED	E(S)		00.00 00.00 00.00 00.00 00.44	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000	•
	SAL	322 322 325 325 325 537	32.564 32.578 33.362 33.803	33.914 33.968 34.015 34.072	34.121 34.196 34.269 34.326	34 • 389
N 280-060	E(T)		0000	0000	00001	1
STATION	TEMP.	0000 0000 0000 0000 0000	9 • 19 9 • 18 8 • 96 7 • 78	7 - 24 6 - 71 5 - 25 5 - 56	0446 0000 0000	3.53
	DEPTH	3000	50 100 150	0000 0000 0000	500 700 800	1000

		PROD-S									
		PROD-1						E(0)	000	0000 0000 0401	00011
		CHL-A F						0XY•	0000 0000 0000 0000 0000	6.39 8.039 8.049	2.11 1.884 1.72 1.23
	WEA 63	NITR. C	2000 2000 2000	0000 0000		4.8 1.0 0.0	VALUES	GEOPOT.	0.000 0.029 0.057 0.085	0.141 0.211 0.274 0.370	0.447 0.516 0.583 0.710
	DG 988 RELHU 99 25. 40	SIL.	2 2 1 1 1 1 1 1	11 13 13 13	34 36 400 100 100 100 100 100 100 100 100 100	. 49 48 88 99	COMPUTED V	SP.VOL.	2800 2800 281 281 200 200 200 200	281.8 282.0 242.8 163.7	142.6 135.3 132.4 121.6
VALUES	38W S 8.5 14 WA	PH0S.	0000 ••••• •••• •••• ••• ••• •••	0000 0000 0000 0000	1.39 1.86 2.17	2.27 2.58 3.26	AND	I GMA-T	255.17 255.17 255.17 25.17	25.17 25.17 25.59 26.42	26.65 26.73 26.77 26.89
OBSERVED VA	ONG 125-3 8.5 WET	• <b>XX</b> 0	6.337 6.38 6.38 6.41	0000 4000 0000 0000	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.53 1.85 0.96	INTERPOLATED	E(S) S	• 002 • 002 • 001	.000 .013 .001	029
OBSE	-46N LC DRY B 16 SWL	SIGMA-T	25.17 25.17 25.18 25.16	25.17 25.17 25.17 25.19	25.64 26.21 26.16 26.37	26.53 26.74 26.95	INTE	SAL.	00 00 00 00 00 00 00 00 00 00 00 00 00	2.540 2.537 3.035 0.85 0.85	3.988 0 4.023 0 4.022 -
280-061	LAT 47. AMT 9	SAL.	32.547 32.548 32.561 32.561	32.549 32.540 32.550 32.561	33.100 33.667 * 33.628 33.792	33.911 34.006 34.090	280-061	(£)	000	00000	m m m m
STATION	HR 13 04 CL 16 SEA	TEMP.	9000 9000 9000	99.00 90.00 90.00 90.00	9.08 8.27 7.86 7.86	7 • 38 5 • 2 2 5 • 2 4	STATION	TEMP. E	00 00 00 00 00 00 00 00	9.32 9.29 9.11 7.70	6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
,	3/22/61 BA 3 DIR	DEPTH	22.70	86498 1000 1000	100 100 100 100 100 100 100 100 100 100	165 276 465	·	рертн .	3000	50 75 150	0004 0000 0000
	DATE SECDI WVEL 1	CAST	N	нана		ดดด			Σ	Σ	ΣΣ

	PROD-S	8.04			PROD-S	9.40	90.		• 1 • 4	0.20		
	PROD-1	0.29			PROD-I	0 59	<b>.</b>		•	1.02		
	CHL-A	0 • 51		W9 0 _	CHL-A	0 38	•	•	0 4 4	0.51		
WEA VIS				WEA VIS	NITR.	7	•		V • /	6.7		
SDG RELHU				SDG 831 RELHU 87 1 20, 08	SIL	17	2		5	16		
VALUES ES-35W SD ET WA			-UES	ξņ	PH05.	1 • 12	1.13	1.12	1.10	0.73 1.22 1.22 2.06	0000 0000 0040 0004	20.42 30.42 30.65 30.65
VI ≥ ⊢			OBSERVED VALUES	VG 125-19W O WET 9	• XXO	6.45	6.47	6.47	6.45 6.47	6 • 4 3 • 6 • 1 7 • 6 • 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0.000 0.000 0.000 0.000 0.000	0.0 0.0 0.0 0.0 0.0 0.0
D OBSERVED -45N LONG 12 DRY SWL D			OBSEF	7-38N LONG 3 DRY 10.0 16 SWL 1	SIGMA-T	25.22	25.22	25.22	25.22 25.22	25 25 25 25 25 25 25	2000 2000 2000 2000 2000 2000	26.71 26.93 27.20
280-061D LAT 47- AMT DIR			280-062	6 AMT 8	SAL.	32.572	32,567	32,567	32.567 32.569	32.585 32.657 33.407	33.714 33.835 33.910 33.926	33.998 34.092 34.267
STATION HR 15 14 SEA			STATION	HR 18 07 CL 6 16 SEA	TEMP.	9.14	9.13	9.12	9•11 9•12	9 • 1 8 • 58 8 • 58	7.94 7.69 7.39	6.56 5.39 4.27
3/22/61 BA 18 DIR	DEPTH	o		3/22/61 BA 9 DIR	DEPTH	01	10		300 300 300	4 0 8 8 8	123 146 171 187	281 469 713
DATE SECDI WVEL				DATE SECDI WVEL	CAST	N .	N	N	ุดด	ุดดด	<b>ผผผ</b> -	

	E(0)	00	0000	mm00 0000	!!!
	• • •	00 00 00 00 00 00 00 00 00 00 00 00 00	6.27 6.27 7.10 7.00 7.00 7.00	2.44 2.12 1.87 1.33	0 0 0 0 0 0 0 0 0 0
/ALUES	GEOPOT.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.139 0.207 0.267 0.358	0.435 0.507 0.576 0.707	0.827 0.938 1.038
COMPUTED VALUES	SP.VOL.	275 276.2 276.2 276.3	276.4 272.8 203.4 161.6	147 • 8 140 • 4 135 • 8	115.5 105.6 95.9
INTERPOLATED AND C	SIGMA-T	2000 2000 2000 2000 2000	2000 2000 2000 2000 2000 2000	26.60 26.68 26.74 26.86	26.97 27.08 27.18
TERPOLA	E(S)	00 00 00 00	0000	0000 •••• 0000 0000 0004	
	SAL	32.572 32.567 32.567 32.567	32.573 32.623 33.448 33.851	33.954 33.994 34.008 34.059	34 • 111 34 • 179 34 • 256
STAT10N 280-062	E(T)	00	0000	0000	
STATIO	TEMP.	90.14 90.13 90.12	9.12 9.10 7.64	7 • 13 6 • 75 6 • 43 5 • 78	5.22 4.73 4.32
	DEPTH	9000	50 75 100 150	0000 0000 0000	500 600 700

Σ Σ Σ

		PROD-S						
		PR0D-1	1.85	2.55	2.42	0.85		
	9 9	CHL-A	0.459	0.49	0 4 4 2	0 • 32		
	WEA VIS	ΔLIZ						
	SDG 338 RELHU 99 A 20• 11	SIL						
-VES	ķ	PHOS.	1.007	1.03 1.004 1.10	1.02 1.09 1.01	1.08 1.42 1.68	20.09 20.00 30.00 70.00	07.0
OBSERVED VALUES	G 125-02W 2 WET 10. DIR	• YXO	6.55 6.55 6.53 6.53 6.53 6.53 6.53 6.53	6.51 6.42 6.37	6.37 6.37 6.07	6.34 5.41 4.87	2000 000 000 000 000 000 000	2.14
	T 47-32N LONG MT 8 DRY 10.2 DIR 16 SWL 1	SIGMA-T	25.21 25.20 25.19	20 20 20 20 20 20 20	25°23°28°28°28°28°38°38°38°38°38°38°38°38°38°38°38°38°38	25.23 25.48 25.77	26.02 26.02 26.03 26.30 26.40	26.00
280-063	6 AMT 8	SAL.	32.674 32.660 32.655	32.657 32.658 32.670	32.680 32.677 32.748	32.669 32.988 33.240	33.509 33.698 33.748	33,986
STATION	10 HR 22 08 CL (	TEMP.	9•71 9•70 9•70	9.40 9.68 9.64	9 9 9 9 9 9 9 9	9 9 9 9 9 8 9 8 9	8.72 8.27 8.06 7.74	6.74
	3/22/61 BA 13 DIR	DEPTH	onv	7110 200 200	99989 99989	400 60 60 60 60 60	1119 1663 190	286
	DATE SECDI WVEL 1	CAST	ุดดด	ุดดด	ุดดด	ผพพ		1

w www ww		E(T) 0 0 0 0 0 0 0 1
32.674 25.21 32.6674 25.20 32.660 0.003 25.22 32.698 0.029 25.23 33.269 0.009 25.26 33.269 0.001 25.42 33.269 0.001 25.42	SAL. 32.6674 32.6657 32.6630 32.698 0 32.910 33.718	E(T) SAL. 32.657 32.657 32.663 0.01 32.698 0.01 32.910 2 0.01 33.218
0 0000	SAL. 32.6574 32.6657 32.663 32.683 32.698 33.2698 33.2698 33.2698	E(T) SAL. 32.674 32.657 32.660 0.00 32.683 0.01 32.698 0.01 32.698 0.01 33.268
	E(T) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0	

		PROD-S										
		PROD-1	1.24	1.51	1.21		0.93		•	E(0)	000	0000
		CHL-A F	0.42	0.47	0.37		.42			• *X0	60 60 64 64 64 64 64 64 64 64 64 64 64 64 64	6.32 3.33 3.83 4.84
	WEA 61 VIS 6	NITR. CH	O		0		0		VALUES	GEOPOT.	0000 0000 0000 0000 0000 0000	0.140 0.209 0.276 0.392
	SDG 238 RELHU 99 20, 25	SIL. N							COMPUTED V	SP.VOL.	279.2 278.1 279.0 279.0	278•1 278•0 256•3 207•0
VALUES	49W 9.9 16 WA	PHOS.	0.97	•	1.00	0.97 0.98 1.02	0.93 0.93	2.00 0.00 0.00 0.00 0.00 0.00	AND	I GMA-T	25.18 25.20 25.19 25.19	2000 2000 2000 2000 2000 2000 2000 200
OBSERVED VA	LONG 124-4 9.9 WET	0XY•	6. 4. 6.4	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	6 6 6 6 7 8 8 9 8	94 4 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	INTERPOLATED	E(S) S	000	0001
	-27N DRY 16 SW	SIGMA-T	25.18	•	25.20 25.20 25.19	25.19 25.19 25.19	200 200 200 200 200	25.25 25.68 25.87 26.01		SAL.	32.637 32.649 32.641 32.637	2.639 0 2.639 0 2.901 0
280-064	6 AMT 62 DIR	SAL.	32.637	•	32.650 32.650 32.645	32.641 32.640 32.638	32.643 32.643 32.648	32.674 33.178 33.379 33.513	280-064	E(T)	0000	00001
STATION	07 CL 16 SEA	TEMP.	9.68	)	9.66 9.65 9.65	9.66 9.66 9.64	999 988 948	9.00 44.00 6.00 6.00 7.00	STATION	TEMP.	9999 9999 9999	8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
	3/23/61 BA 13 DIR	DEPTH	<b>o</b> m	ហ	004B	- 0.00 0.40	35 53 71	89 112 135 157		DEPTH	3000	100 150 150
	CO I	ST		1			ดดด	ดดดด			Σ	Σ

		PROD-S													
		PROD-1	00.4	000	2.11	4.28							E(0)	00	
		CHL-A F	0.80	<b>\$</b> 0	•80	•95							0XY•	6.88 6.61 6.46	
	WEA 61 VIS 6	NITR. CH	7.6 0	7•3	7. 4•1	0	6.9	2.0	6.2			ALUES	GEOPOT.	0.000 0.062 0.114	
	SDG 38 RELHU 99 1 22	SIL. N	39	38	4 დ დ	٧,	000					COMPUTED VALUES	SP.VOL.	629•7 600•6 448•4	
LUES	N Z	PHOS.	0.88	0.88	0.83	0	0.92	0.0	0 • 88			AND	SIGMA-T	21.51 21.82 23.41	
OBSERVED VALUES	0NG 124-37W 0.3 WET 10. 1 DIR	• ×× 0	6.88	6.88	99.9	0	6.52	0 0 0 0 0 0	6.45			INTERPOLATED	E(S) S	0.040	
	47-42N LONG 9 DRY 10.3 R 16 SWL 1	SIGMA-T	21.51	21.51	21.52	00017	22.62	23.40	23.58				SAL.	27.955 28.347 30.412	
280-065	X AMT	SAL.	27,955	27,953	27,961	201102	29.395	30.388	30.624			280-065	E(T)	0000	
STATION	HR 03 36 CL 16 SEA	TEMP.	9.86	9.87	9 86	•	9.91	• •	0			STATION	TEMP.	9.00 9.00 9.03	
	3/23/61 BA 13 DIR 1	DEPTH	<b>0</b> 0	1m	េស០	11	40	, E 7	28				DEPTH	000 000	
	DATE SECDI WVEL	CAST		-		4	r4 r	٠.	-						
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		PROD-	1			
		PROD-1				
	വവ	CHL-A				
	WEA 5	PHOS. SIL. NITR. CHL-A				
	ดี เล็∟HU 94	SIL				
UES	.8W SD 8.8 R 6 WA 1	•SOHd.	1111000	1.08	1 000	1.12
OBSERVED VALUES	16 124-4 9 WET DIR 1	• ××0	00 00 00 00 00 00 00 00 00 00 00 00 00	6.35	6.36	6.26
	1R 07 LAT 47-50N LONG 124-48W SDG 64 WEA 55 CL X AMT 9 DRY 8.9 WET 8.8 RELHU 99 VIS 5 SEA 2 DIR 20 SWL 1 DIR 16 WA 15	SIGMA-T	24.831 24.831 24.833 24.833	24 • 83 8 • 83 8 5	24.92	25.01
TION 280-066	X AMT 9	SAL.	32.191 32.204 32.197 32.211	32.211 32.239	32,321 32,380	32,435 32,541
STATION	200	TEMP.	99.00 99.00 99.00 99.00 99.00	9.82		9.76 9.64
	3/23/61 BA 11 DIR	DEPTH	00 00 00 00	46.	9 0 4 0	33 8 8
	DATE SECDI WVEL 1	CAST				

	E(0)	00.000	
	0XY•	66.44 6.44 6.35 6.35 6.05	,
ALUES	GEOPOT.	0000 0000 0000 0000 0000	1
INTERPOLATED AND COMPUTED VALUES	SP.VOL.	312.9 312.9 310.1 299.7	00000
FED AND C	E(S) SIGMA-T	24.81 24.83 24.86 24.97	70,20
TERPOLA'	E(S)	0.002	1
	SAL.	32.191 32.211 32.254 32.387	32.496
	E(T)	00	
314110N 280-066	TEMP. E(T)	9.82 9.80 9.82 9.77	9.71
	ОЕРТН	38000	50

		PROD-S										,				
		PROD-1	1.70	1 • 36		77							E(0)		00.0	0.02
		∢	44 44	44		76	)						0XY•	6.40 6.37 6.38 6.41	6.40	6.37
	WEA 01 VIS 6	NITR. CHL-	ดด	1.0	0.	5.2	70	0-	100	3.1	VALUES		ANOMAL Y	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.140	0.211
	SDG 117 W RELHU 1 08	SIL. NI	125	100	12 5	11 5	114 100 ខេ	οι	n n		COMPUTED V		ANOMALY	279.4 279.9 280.1 279.8	280.3	280.02
OES.	. 3	PH0S.	1.04	1.06	1.04	1.01	1.03	96.0	0.0	1.27	AND		SIGMA-T	255.18 255.18 25.18 25.18	7	25.19
OBSERVED VALUES	G 125-02W WET DIR	0XY•	04. 04.	6.40 6.37	6.37	6.38	6.41 6.41	6.41	0 · C	5.72	INTERPOLATED		E(S) S			•004
OBSER	1-58N LONG DRY 23 SWL 1	SIGMA-T	25•18 25•18	25•18 25•18	25.18	25.18	25.18 25.18	ີ 1	ທີ່ ເຄີຍ	25.36			SAL. E	32.652 32.649 32.649 32.647	ر	32.650 0
280-067	6 AMT 8 2 DIR	SAL	32.652 32.657	32.651 32.649	32.652	32.647	32.649 32.651	32.652	32.647	32.830	08 280-067	 	E(T)	,,,,,,,		000
STATION	HR 07 08 CL ( 23 SEA	TEMP.	9.76	9.78 9.77	9.78	9.76	9.78	7.	<b>.</b> 1	9• /0 9•54	STATION		TEMP.	9.76 9.76 9.76	ŗ	9.71
	3/23/61 BA 8 DIR		om	90	12	20	900 000	04	601	66 66			DEPTH	0000		720
	г Г Г	-	-													

DATE 3/23/61 HR 14 LAT 48-23N LONG 125-24W SDG WEA SECDI BA CL AMT DRY WET RELHU VIS WVEL DIR SEA DIR SWL DIR WA	1-00XT	0.47			0
SDG RELHU A	PROD-I	CHL-A			ОЕРТН
			WEA VIS	14 LAT 48-23N LONG 125-24W SDG CL AMT DRY WET RELHU SEA DIR SWL DIR WA	23/61 HR BA DIR

PROD-S 18.86

0.47

	PROD-S									
	PROD-1							E(0)		00000
	CHL-A							• <b>XX</b> 0	6.00 04.00 04.00 04.00 04.00	6.00 9.00 9.00 9.00 9.00
WEA VIS 6	NITR. C	0044 00	4400 •••• ¤0,¤¤	ก ก••• ก•••	224.0 24.0 24.0 9.0 9.0	\ <b>∀</b> A L	GEOPOT.	000 000 000 000 000 000 000 000 000 00	0.139 0.209 0.278 0.395	
DG 255 RELHU 93 03, 05	SIL	11 8 0 10	0000	1100	0 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		COMPUTED	SP.VOL.	277.3 277.6 277.8 277.2	277.8 278.5 277.3 189.9
14W S WA	PHOS.	0000	0.91 0.88 0.88 0.88	0.81 0.83 0.88	1.79 26.18 26.18		AND	I GMA-T	255 255 255 255 255 255 255 255 255 255	255 255 255 255 15 15 15
ONG 125- 9.2 WET	0XY•	0000 0000 0000 0000 0000	6.34 6.37 6.27 8.33	6.00 6.00 6.00 7.00 6.00 7.00	4 E E E E E E E E E E E E E E E E E E E		NTERPOLATED	E(S) S		0001
8-07N LOP DRY 9.	SIGMA-T	2000 2000 2000 2000	250 250 250 250 250 250 250 250 250 250	25.00 25.00 25.00 25.00 25.00	25.84 26.14 26.21 26.21		STATION 280-068 INTE	SAL.	32.667 32.661 32.662 32.668	32.668 32.662 32.6629 33.639
LAT 48 AMT 2 DIR	SAL.	32.667 32.660 32.661 32.661	32.662 32.662 32.677 32.668	32.672 32.662 32.662 32.659	33,383 33,626 33,676 33,709			E(T)	.,,,,,,	00 0
HR 10 08 CL 23 SEA	TEMP.	9.40 9.68 9.69 9.68	668 899 999 999	9 • 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9888 9888 9888 9888			TEMP.	9.40 9.68 9.68 9.66	9999 9999 9904 74
3/23/61 BA 4 DIR	DEPTH	0m vo	0 0 0 0 0 0 0	4 9 8 0 0 0 0 0 0 0	124 149 174 199			DEPTH	9000	1000 1000 1000
DATE SECDI WVEL	CAST	ดดดด	ดดดด	ผลขอ						

OBSERVED VALUES

STATION 280-068

		PROD-S									
		PROD-I							E(0)	000	000
		CHL-A P							0XX	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ນ ນູດ ນູດ ນູດ ນູດ
	WEA 02 VIS 6	NITR. CH						ALUES	GEOPOT.	0000 0000 0000 0000	0 • 154 0 • 226 0 • 296
OBSERVED VALUES	125-36W SDG 146 WET 8-3 RELHU 93 DIR 21 WA 10	SIL. N						MPUTED V	SP.VOL.	3112 3112 3012 304 100 100 100 100 100 100 100 100 100 1	295.3 282.0 279.1
		PHOS.	0000	1.03 1.07 0.93 0.96	0.87 0.87 0.83 0.93	1 • 02 1 • 32		INTERPOLATED AND COMPUTED VALUES	SIGMA-T	0000 4444 6000 6000 6000 6000	25.02 25.17 25.20
		• ×× o	100 0000 100 0000	0000 000 000 000	00000 00000 00000	5.30 4.66		ROLATE	E(S) S	000000000000000000000000000000000000000	0.016
	.8-23N LONG 9 DRY 9.0	SIGMA-T	224 244 244 244 244 244 244 244	24 24 24 24 38 38 38 38 38 38	24.93 25.10 25.17 25.21	25•26 25•47		INTER	SAL. E	194 189 193 299	32.591 0 32.591 0
280-069	LAT 48- AMT 9	SAL.	32.194 32.187 32.191 32.189	32.188 32.185 32.238 32.297	32,301 32,511 32,597 32,655	32.695 32.899		280-069	E(T)	00000000000000000000000000000000000000	000
STATION	HR 13 08 CL 21 SEA	TEMP.	0 0 0 0 0 0 0 0 0 0 0 0	9 9 9 9 9 9 9 9 9	0000 0000 0000 0000 0000	9.46 9.16		STATION	TEMP. E	0000 0000 0000 0000	9.61
•	3/23/61 BA 4 DIR	DEPTH	୦୩ଏବ	11 10 10 10 10 10	38 77 97	121			DEPTH	9000	50 75 100
	DATE SECDI WVEL	CAST			ннн						

		I PROD-S	9		m		4				_	000	0
		PROD-	04 00		1.63		1 • 34				E(0	000	0
		CHL-A	0.73		0 • 55		0 • 24				• \x0	60.09 6.09 7.1	6.23
	WEA 02	NITR.								VALUES	GEOPOT.	0.000 0.038 0.071 0.102	0.162
	DG 168 RELHU 93 30	SIL								COMPUTED	SP.VOL.	393 3150 303 4	297.1
VALUES	8.8 WA	PHOS.	0 0 0 0 0	0.85	1.08	1.09	0.92 0.91	00 00 00 00 00 00 00 00 00 00 00 00 00	0.88 1.25	AND	S I GM'A-T	23.98 24.44 24.81 24.94	25.01
VED	LONG 125-10V 9.6 WET ( /L 1 DIR 21	• XXO	00 44 04	6.41 6.30	6.15	60.9	6.10 6.15	6.20 6.23 6.23 6.26	5.94	INTERPOLATED	E(S) S	.020 .018	€003
	-26N 21 SW	SIGMA-T	23.98 23.99	24 • 02 24 • 33	24.74	24.74	24•91 24•92	24.97 25.00 25.09 25.09	25•26 25•54		SAL•	31.095 32.654 32.126 32.305	2.412 0
280-07	LAT 4 AMT	SAL.	31 • 095 31 • 096	31.137	32,036	32,036	32.261 32.280	32.357 32.421 32.480 608	32.674 32.950	280-070	E(T)	000	0000
STATION	08 CL 21 SEA	TEMP.	9.67	9.66 9.54	9.55	9.54	9.56 9.58	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9 • 38 8 • 99	STATION	TEMP.	99.99 9.557 9.557	9.70
	3/23/61 BA 6 DIR	DEPTH	om	<b>ио</b> -	13	1 G	233 73	9420 9480	112		DEPTH	9000	10
	TE CCD1	AST			-								

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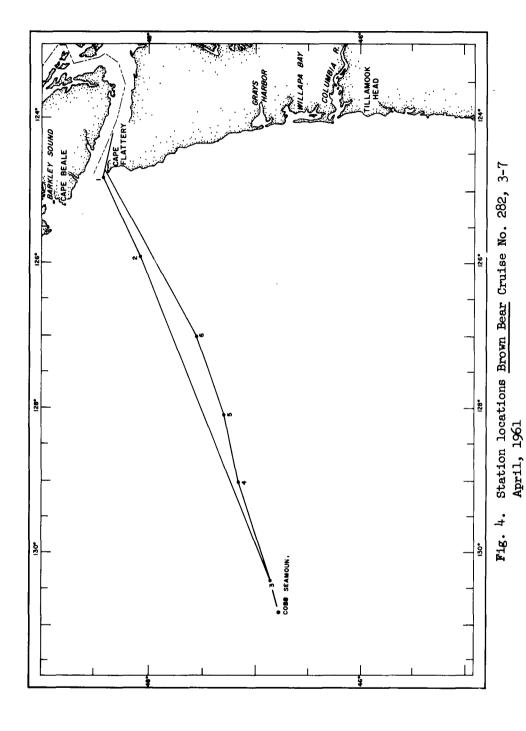
	E 3/3	T DEP														DE		Σ
	23/61 BA DIR	PTH	0-	¬ M	4 0	10		- 00 4 0			78 97		363			DEPTH	3000	0700
STATION	HR 1 04 CL 19 SE	TEMP.	9.83	9.82	9.78	.7	9	000		0,	90.00	•	9.53 9.18		STATION	TEMP.	9.00 9.00 9.00 9.10 9.10	8.00 9.00 9.00 9.00 9.00
N 280-07	7 LAT 4 6 AMT A 1 DIR	SAL	29.097	29.110	29.196	0	9.41	29.843	10.0	en e	32.121	) •	32.630	2.99 3.44	N 280-07	E(T)	000	0000
1 0B	8 27N L(8 DRY 8	SIGMA-	22.4	22.4	22.4	22.6	22.6	000 000 000	200	23.4	44		255.2	25.6 26.0	1	SAL.	29.097 29.369 29.584 30.237	30 8998 32 041
SERVED	306 1 3•6 1	-T 0XY	0 6.6	2 6.6	9 6	ο •	9,	•	ò	o t		0	0000	4 W	INTERPOLATED	E(S)	0.003	0000
VALUES	24-45W S WET 803 IR 21 WA	· PHOS.	5 0 8	64 0.84	1 1 1	`~o` ພ	0	1.02	0	00	79 1.21	•	06 0.99 43 1.22	7 1.5 9 1.8	AND	SIGMA-T	0446	24.000 24.000 20.000 20.000
	DG 228 RELHU 93 15, 15	SIL.	<b>9</b>	32	332	900 900 904	31	n 9 .	<del>ر</del> 1	29	227	<u>†</u>		0.4 0.0	COMPUTED	SP VOL A	544 5224 5020 4502 6	396.6 316.4 298.6
	WEA 50	NITR.	•	00		7.00	•	108	•	6	10 t	•	80		VALUES	GEOPOT	0000 0000 0000 0000 0000 0000	0.237 0.327 0.403
		CHL-A	1 • 30	4	1.29	0 • 39										, 0×Y	0000 0040	1000 0 0 0
		PR00-1	7.36	•	7.56	5.32										• E(0)	000 000 000	000 000 000 000
		PROD-S	44.42	3.2	4.06	0.38												

		PROD-S									
		PROD-I							E(0)		000
									oxY.	6.23 5.91 5.91 6.01	ທ ທ ທ ທ ພ ພ ດ ຈ
	WEA 50 VIS 7	NITR. CHL-A						VALUES	GEOPOT.	0.000 0.0044 0.086 0.126	0.286 0.358
	SDG 165 W RELHU	SIL. NI						COMPUTED VA	SP.VOL.	4444.5 427.3 404.6 391.8	366.9 312.5 263.6
\_UES	3	PH0S.						AND	SIGMA-T	23.45 23.63 23.87 24.01	24 • 27 24 • 85 25 • 37
OBSERVED VALUE	NG 124-07W WET O DIR	• XXO	0000 •••• 4400 0400	600 000 000 000 000 000	ທທທທ •••• ທ4ພພ ໝພ44	4.86 4.21		INTERPOLATED	E(S) S		•012 •020
	-15N LO DRY OO SWL	SIGMA-T	ทท ทท ผน ผน 4 ผ ท ง ขน ๑ ษ	23.71 23.87 23.94 24.01	224 244 244 250 37	25.55 25.83			SAL. E	0.235 0.413 0.711 0.850	1 • 205 2 • 026 2 • 748
280-072	B AMT 7 O DIR	SAL.	30 • 235 30 • 350 30 • 413	30.503 30.711 30.786 30.860	31.029 31.441 32.228 32.748	32.931 33.200		280-072	E(T)	ოოოო	0.00 0.02 0.03 0.03
STATION	HR 16	TEMP.	8888 50889	8888 •••• 4488 81009	88 8.09 9.09 180	8 • 79 8 • 38		STATION	TEMP.	8888 600 800 800 800 800 800	886 880 800
	3/23/61 BA DIR	DEPTH	00.00	0000 0000	40 000 000 000	125 150			DEPTH	3000	50 100 100
	TE L	ST									

		PROD-S															
		PROD-1	2.04	6.05		5 • 58	5.07								E(0)		0.02
		CHL-A F	0.61	1.17		1 • 81	1 • 1 4								• XX0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0044 0001 0444
	WEA 50	NITR.												VALUES	GEOPOT.	0000 0000 0000 0000 0000	0.211 0.301 0.382
	SDG 188 RELHU 93 1 03	SIL												COMPUTED \	SP.VOL.	451.5 438.9 431.8	381 340 304 5
LUES	m 🔰	PH0S.	1 - 59		1 • 54 1 • 55	1.60	1.73	1•66 1•68	•	•	1.96	2.12		D AND CO	SIGMA-T	23.38 23.53 23.59	200 444 40 40 40 40 40 40 40
OBSERVED VALUES	VG 124-03W B WET 8.	• ××0	6.51	•	6.52	6.36	5.92	ง ช ช ช ช ช	•	•	3.76	3.58		INTERPOLATED AND	(8)		000
OBSE	1-18N LONG DRY 8.8	SIGMA-T	23•38 23•41	•	23.48 23.51	23.59	ന	23.90 24.34	•	•	25.95	26.05		INTER	SAL. E	.185 .276 .355	000 0000 0000 0000 0000
280-073	B AMT 7	SAL	30.185	) 	30.246	30 • 355	30.548	31.291	31.651	32,082	33,325	33.423		280-073	(£)	0000	00 00 31 33
STATION	HR 01 07 CL 8	TEMP.	9 9 8 8 8	•	8 8 60 60	8.50	4.0	8•36 8•36	41	8 0 0 0 0 4		8.08		STATION	TEMP. E	9888 0004 0004	88 98 98 98 98 98 98 98 98 98 98 98 98 9
	3/24/61 BA DIR	DEPTH	OM	4	<b>6</b> 00	20 20	00		Φ.	0 0 0 0	າເດ	175			DEPTH	0000	50 100 150
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O.

		PROD-S									
		PROD-1							E(0)		00
		∢							• XXO	6.59 5.99 5.84 7.7	0.04 0.04 0.44 0.44
	WEA 16	NITR. CHL-					841 1 <b>4</b> 7		GEOPOT.	0.000 0.044 0.084 0.123	0.292
	137 +∪ 93	SIL. N					COMPLITED	•	SP.VOL.	457.2 404.7 396.0 390.8	378•4 359•7 310•0
UES	00W SDG 9.4 RELY WA 03	PHOS.					A C		SIGMA-T	23.32 23.87 23.96 24.02	24 • 15 24 • 35 24 • 88
OBSERVED VALUES	JG 124-00W 1 WET 9.	oxy.	9999 9499 9496	5.96 5.79 5.79	0004 040 6400	4.10	INTERPO! ATED	i -	E(S) S		.008
OBSER	8-22N LONG 5 DRY 10.1	SIGMA-T	0000 EEEE 0400 01047	23. 23. 24. 24. 20. 20.	0000 4444 0004 0048 0048	25•68	E Z	i	SAL. E	30.155 30.713 30.818 30.884	31.051 0 31.308 0
ON 280-074	AMT DIR	SAL.	30.155 30.255 30.444 30.713	30.723 30.818 30.861 30.884	30.941 31.177 31.375 31.992	32,996	280-074		E(T) 3	หัหัหั ห	00.00
SIATION	06 CL 8	TEMP.	9 8 8 8 6 8 8 8 8 8	8888 444 1888	888 89.38 86.38 86.38	8 • 30	STATION		TEMP.	9888 8448 8448 8638	888 800 000 000 000
	3/24/61 BA DIR	DEPTH	0000	300°5 05005	4 9 8 0 0 0 0 0 0 0	125			DEPTH	3000	50 75 100
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		PROD-S										
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		CHL-A F	0.16	0.27					• xxo	6.01 6.12 5.96 5.96	0.04 0.04 0.04 0.04 0.04 0.04	2.33
	WEA 41 VIS 5	NITR. C	15.2 12.8 13.8	18.0 15.9	001 1998 1998 1998	10.1 13.0 6.7	6.3 29.2	VALUES	GEOPOT.	0.000 0.045 0.087 0.127	0.197 0.273 0.339 0.444	0.527
	DG 305 RELHU 86 30, 35,	SIL	283 283	30	30 27 14	16 17 28	32 51	COMPUTED	SP . VOL ?	4446 4346 380 80 80 80	317.4 286.7 240.4 180.3	151 •8
VALUES	48W S 7•5	PH0S.	1 • 5 • 5 • 6 • 6 • 6 • 6 • 6 • 6 • 6 • 6	1.84	1.76 2.16 1.86 1.33	1 • 4 2 1 2 4 2 2 • 1 1 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 • 15 2 • 93	AND	SIGMA-T	23.42 23.56 23.69 24.12	24.79 25.12 25.61 26.25	26.56
OBSERVED VA	ONG 124- 8•6 WET	• YX0	6.01 6.15 6.12	6.13 6.12	លលល <b>១</b> <b>១</b> <b>១</b> <b>១</b> <b>១</b> <b>១</b> <b>១</b> <b>១</b>	ທ <sub>ີ</sub> ບ4 ພ ພພທູຍ ພວດຕ	3.42	INTERPOLATED	E(S) 8	• 001 • 009 • 011	000 001 001 001	
OBSE	-27N L DRY 05 SWL	SIGMA-T	23.00 23.00 24.00 24.00 24.00	23.59 23.61	23. 24. 24. 25. 31. 25. 40.	255 255 256 256 256 256 256 256 256 256	26.16 26.63	INTE	SAL•	10.138 10.363 10.515 11.052	1.978 0 3.620 0 3.635 -	3.888 -
282-001	2 AMT 2 2 DIR	SAL.	30.138 30.261 30.348	30.396 30.423	30.804 31.305 32.037 32.417	32.723 32.788 33.250 33.387	33.558 33.931	282-001	E(T)	0000	0001	3
STATION	1 HR 14 -38 CL 05 SEA	TEMP.	8 • 44 8 • 68 8 • 74	8•70 8•70	9888 9960 0962 0962	90 90 90 90 90 90 90 90 90	8 • 01 6 • 79	STATION	TEMP.	8888 444 9644 855	8.91 8.92 7.82	7.06
	4/04/6 BA 3 DIR	DEPTH	ono	111 122 22	988 988 988	86 92 110 121	140 226		DEPTH	3000	50 100 150	200
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		PROD-S										
		PROD-I								E(0)		000000000000000000000000000000000000000
		CHL-A F	0.11 0.31 0.19		5 v · O	0•32				• ××0	0000 0000 0000 0000	งกน ถ • ถึง ง ผ ถึง ถ
	WEA OZ VIS B	NITR.	1 • 5	2.5	7•4 7•3	70.11 0.01 0.04	17 - 7 - 2 - 2 - 2 - 2 - 2 - 2 - 3 - 3 - 3 - 3	31.2	VALUES	GEOPOT.	0.000 0.029 0.058	0.143 0.269 0.266 0.357
	SDG 1353 RELHU-93 08	SIL	01	10	110	10 15 15	888 8780 8780	49	COMPUTED	SP.VOL.	28890 28890 28890 899	276 • 4 252 • 1 200 • 8 164 • 1
VALUES	55W 8•6 WA	PHOS.	1 • 10	1.19	0.97	1.08 1.20 1.50	2.99 2.58 2.56	3.02	AND	I GMA-T	255 255 255 255 15	255 255 265 265 265 265 265 265 265 265
OBSERVED VA	LONG 125-9 9.2 WET	• YX0	6.55	6.55	6.54 6.48	6.44 6.45 7.45 0.05	33.90 90.00 96.00	2.37	INTERPOLATED	E(S) S		020
_	-AT 48-07N LO AMT 3 DRY 9 DIR 32 SWL	SIGMA-T	25.07	25.07	25.09 25.15	25.21 25.26 25.56	26.01 26.28 26.42 26.42	26.57		SAL.	20.467 20.4472 20.476 20.542	2.590 2.916 3.494 3.838
282-005	່ຈ	SAL.	32•467	32.472	32.476 32.542	32.599 32.633 33.037	33.479 33.734 33.835 33.883	33,918	282-002	E(T)	ოოოო	0000
STATION	37 CL 32 SEA	TEMP.	9.56	9.56	9.51 9.42	9 • 34 9 • 19 9 • 14	8.60 8.12 7.75 7.53	7.14	STATION	TEMP.	99 90 90 90 90 90 90 90 90 90 90 90 90 9	9.26 9.17 8.58 7.74
	4/04/61 BA 10 DIR	DEPTH	onn		300	W4 08 NOOO	99 124 149 139	198		DEPTH	9800	100 150 150
	를 다. 1.	ST	<b>.</b>	_				_				

		PROD-S									
		PROD-I							E(0)	00	0000
		CHL-A F	-23	9	÷05				• *X0	6.05 6.05 6.05 6.05 6.05	6 63 6 61 6 17 4 54
	WEA 00 VIS 6	NITR. CF	6.4	8.9	0 6.9 7	66.66 8.10 8.7	47-6-8-6-8-6-8-8-8-8-8-8-8-8-8-8-8-8-8-8-	VALUES	GEOPOT.	0.000 0.026 0.052	0.130 0.195 0.256 0.357
	SDG 2815 RELHU 91 A 15	•	60	<b>c</b> 0	σ, α	8 11 12 12	288 333 30	COMPUTED V	SP.VOL.	2599.2 259.3 260.1 259.9	258.8 256.2 238.5 165.2
	3K 6.4 ¥,	PH0S.	1.06	1.07	110	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.56 1.67 1.77 1.65	AND	I GMA-T	22 23 25 25 25 25 25 25 25 25 25 25 25 25 25	255.41 255.44 255.63 26.41
OBSERVED VALUES	LONG 130-23 6.9 WET	• YX0	6.70	6.74	6 6 6 6 8	6.58 6.59 6.61 6.61	5444 660 141 131	INTERPOLATED	E(S) S	00	0000 0001 0007
-	-52N DRY 36 SW	SIGMA-T	25,39	25.39	25.39 25.39	00000 00000 4440 0440	26.17 26.36 26.52 26.52	INTE	SAL•	2.6447 2.648 2.642 2.644	2.650 2.664 2.861 3.766
282-003	X AMT 9	SAL.	32.647	32.648	32.642 32.643	32.651 32.664 32.666 32.748	33.472 33.718 33.870 33.913	282-003	E(T)	328 0•00 328 328	0000
STATION	32 CL 36 SEA	TEMP.	8.38	8•38	8 • 8 • 3 8 • 3	8888 89.00 90.00 90.00	7 4 4 6 9 6 9 6	STATION	TEMP.	88 88 88 88 88 88 88 88 88 88 88 88 88	8.36 7.93 7.93 7.93
	4/06/61 BA 15 DIR	DEPTH	Off	100	38996	388 77 96	120 168 192		DEPTH	3000	50 100 150
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		PROD-S									
		PROD-I							E(0)	000	0000
		∢	17	4	•19				• • •	6.64 6.64 6.64 7.64	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	A 01	R. CHL-	00	)	31 0	moon	<b>N4L0</b>	JES	GEOPOT.	0000 0027 0054 081	135 201 259 346
	9 WEA	Z I Z	5.2	4.8	44	4 w w w	13.6 23.7 19.6	VALUE	→ GEC	0000	0000
	DG 2560 RELHU 99	SIL	9	9	<b>L</b> R	r:2001	24 34 36 36	COMPUTED	SP.VOL ANOMAL	268.6 268.8 269.3 268.9	2569 2589 203 145 8
ALUES	129-02W SE WET 7.9 R DIR WA 3	PHOS.	16.0	0.87	0 • 8 • 8 • 8	0.94 0.89 1.00 1.15	2.52 2.01 2.12 12	AND	SIGMA-T	25.29 25.29 25.29 30	25.29 25.41 26.00 26.61
OBSERVED VALUES	LONG 129- 7.9 WE	• YX0	6.55	6.62	6.69 6.64	0 0 0 0 0 0 0 0 0	4.03 2.03 1.83 1.81	INTERPOLATED	E(S)	0000	0000
	7-12N 7-DRY 36 SW	SIGMA-T	25.29	25.30	25.29 25.29	200 200 200 200 200 200 200 200 200 200	26.25 26.25 26.46 26.64 27.24		SAL.	322 322 322 322 323 533 533 533 533 533	32.543 32.636 33.275 33.905
V 282-004	5 LAT 47 A 4 DIR	SAL.	32.545	32.544	32.540 32.539	32.550 32.542 32.571 32.853	33.558 33.773 33.927 33.974	ON 282-004	E(T)	000	0000
STATION	28 CL 36 SE	TEMP.	8.51	8.50	8 • 51 8 • 50	8 8 50 7 9 9 4 9 4 9 4	7.42 7.11 6.66 6.38	STATIO	TEMP.	00 00 00 00 00 00 00 00 00 00 00 00 00	8.51 8.19 7.62 6.74
	4706/61 BA 13 DIR	DEPTH	0<	<b>3</b> 00	114 255 75	8682 4892 7	109 132 154 177		DEPTH	0000 0000	50 100 150
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		PROD-S											
		PR00-1											
	<b>1</b> 8	CHL-A	0.13	12.0	0.19	0.21							
	WEA 01	ATIN.	5.7	5.0	5.2	ى 0		ល ល ល	14.8	(	19.7	18.8	26.9
	SDG 2651 RELHU 87 4 30• 12	SIL	11	11	0	<b>c</b> 0		00	25	(	2 G	41	72
.UES	3	PHOS.	0.93	96•0	0.87	0.87		96.0	1.47		1.08	1.74	2.87
OBSERVED VALUES	1G 128-07W 2 WET 8	• <b>XXO</b>	6.71	6.75	6.82	6.85	6.78	6.91 0.31	5.21	3.76	200	3.28	1.31
	-19N LONG DRY 9.2	SIGMA-T	25.30	25.30	25.30	25•30	25.31	20 20 20 20 20 20 20 20 20 20 20 20 20 2	26.09	26.29	000 000 000	26.74	26.97
STATION 282-005	LAT 47 2 AMT 2 4 DIR	SAL.	32.527	32.524	32,525	32,523	32.528	32,531	33,353	33.638	33.861	33.898	34.016
STATION	HR 00 27 CL 36 SEA	TEMP.	8.38	8 • 35	8.38	<b>e</b>	6	8.21	9	ស្ន	6.87	7	4. 00. 04.
	4/07/61 BA 13 DIR	DEPTH	Ot	100	100	38 35	38	57 75	96	<b>~</b> <	165	4	420 420
	DATE SECD1 WVEL 1	CAST	0	ุณ	N	N .	ผ	ุกเก	ın	N)	NN		<b>~</b> 1 ~

E(0)	000	0.01	0.07	0.07	0.00	1
• *×0	6.71 6.83 6.83	6.91	0.4 c	3.79	3.19 2.60 1.51	0.85
GEOPOT.	0000 0000 0000 0000	0.135	0 • 1 • 0 • 1 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0	0 • 0	0.548 0.669	0.779
SP.VOL.	268•1 268•1 268•1	267.8	250.6 186.8 156.1	141	126.3	105.7
SIGMA-T	0000 10000 10000 10000 10000	25.31	25.50 26.17 26.50	26.66	26.95 26.95	27.06
E(S)	000	900.0	0.017	0.011	000	
SAL.	3200 3200 3200 3200 5200 5200 5200 5200	32.522	32.661 33.461 33.861	33,893	33.933	34.074
E(T)	00	0.01	00.0	000	000	       • •
TEMP.	00000 00000	8.28	7.40	5.67	5.21 4.58	4 • 15 3 • 89
DEPTH	9800 9000	10	1100	200 200	4 000 000	500 600
	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.	## SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  ## 8.38  ## 32.524  ## 32.524  ## 32.524  ## 32.524  ## 32.524  ## 32.524  ## 32.524  ## 32.524  ## 32.524  ## 32.524  ## 32.524  ## 32.524  ## 32.524  ## 32.524  ## 32.524	TEMP.       E(T)       SAL.       E(S)       SIGMA-T       ANOMALY ANOMALY ANOMALY OXY.         8.38       32.524       25.30       268.1       0.000       6.71         8.38       0.00       32.524       25.30       268.1       0.000       6.71         8.38       0.00       32.524       0.000       25.30       268.6       0.027       6.75         8.28       0.00       32.524       0.000       25.30       268.6       0.054       6.83         8.28       0.01       32.522       0.006       25.31       267.8       0.135       6.91	TEMP.       E(T)       SAL.       E(S)       SIGMA-T       SPOUL GEOPOT.       OXY.         8.38       32.524       25.30       268.1       0.000       268.1       0.000       6.71         8.38       0.00       32.524       0.000       25.30       268.6       0.027       6.75         8.36       0.00       32.524       0.000       25.30       268.5       0.054       6.83         8.28       0.00       32.524       0.000       25.30       268.5       0.081       6.84         8.28       0.01       32.522       0.006       25.31       267.8       0.135       6.91         7.42       0.04       33.461       0.017       26.50       156.1       0.135       5.93         7.12       0.00       33.82       0.007       26.50       156.1       0.346       4.80	TEMP.       E(T)       SAL.       E(S)       SIGMA-T       SPOUL GEOPOT.       OXY.         8.38       32.524       25.30       268.1       0.000       268.1       0.000       6.71         8.38       0.00       32.524       0.000       25.30       268.6       0.027       6.75         8.38       0.00       32.524       0.000       25.30       268.5       0.054       6.83         8.28       0.01       32.524       0.000       25.31       267.8       0.081       6.84         7.76       0.01       32.522       0.006       25.31       267.8       0.139       5.93         7.42       0.04       33.461       0.017       26.55       250.6       0.199       5.93         7.12       0.00       33.82       0.001       26.56       141.8       0.414       3.79         6.33       0.01       33.82       0.001       26.56       141.9       0.414       3.79	Be.3B         32.524         E(S)         SIGMA-T         SPOVLL ANOMALY ANDMALY ANOMALY ANOMALY ANDMALY ANOMALY ANDMALY ANOMALY ANDMALY AN

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		PROD-I				
	03	CHL-A				
	WEA 7 VIS	NITR.	ທທ4ທ 	00000 0440	100 100 100 100 100 100 100 100 100 100	19.0 24.6 31.8
	SDG 2468 RELHU 8' 4 30, 15	SIL	000611	11 10 20	3 3 3 3 9 9 9 9	35 64 78
LUES	0.3	PH0S.	0100 •••0 4000 4080	1.00 0.96 0.95 1.52	2.91 2.05 2.21 2.17	88 80 80 80
OBSERVED VALUES	6 127-01W 5 WET 7.	• XXO	6.65 6.65 6.05 7.05 7.05	6.57 6.57 6.48 4.69	3.89 2.85 2.85 83	2.45 1.19 0.50
OBSER	47-34N LONG F 9 DRY 8.6	SIGMA-T	222 222 223 224 224 23 24	200 200 200 200 200 200 200 200 200 200	26.20 26.30 26.36 26.36	26.63 26.90 27.16
282-006	X AMT 9	SAL	32.575 32.571 32.571 32.578	32.575 32.577 32.591 33.264	33.567 33.765 33.868 33.899	33.945 34.084 34.245
STATION	HR 02 CL SEA	TEMP.	8888 8888 8000 0000	8 • 76 8 • 74 8 • 69 8 • 08	7.76 7.76 7.56 7.28	6.86 5.61 4.48
	4/07/61 BA DIR	ОЕРТН	2110 88	9 7 8 9 8 8 8	117 140 164 188	044 0410 0410
	DATE SECDI WVEL	CAST	ee e e	нене	пппп	

	STATIO	STATION 282-006		TERPOLA	INTERPOLATED AND COMPUTED VALUES	OMPUTED \	/ALUES		
ЕРТН	TEMP.	E(T)	SAL.	E(S)	SIGMA-T	SP.VOL. ANOMALY	GEOPOT.	oxy.	E(0)
30000	8888 860 8 . 82	00	32.575 32.571 32.572 32.578	0000	255 255 256 256 256 256 256 256 256 256	270 • 9 271 • 0 271 • 4 270 • 8	0000	0000 0000 0000 0000 0000	000
50 75 100 150	8 . 7 . 94 7 . 94 7 . 94	00 00 00 11	32.575 32.591 33.393 319	0 • 0 0 0 0 • 0 0 0 0 0 0 0 0 0 1	26.38 26.38 444 114	270.6 269.0 199.1 164.8	0.136 0.203 0.262 0.362	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0
0000 0000	7.17 6.78 6.39 5.69	0000	33.911 33.954 33.996 34.075	0000	26.56 26.65 26.73 26.88	151 • 5 143 • 8 136 • 3	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	2.76 2.37 1.97 1.27	0000
500	5.10	!!!	34.149 34.218		27•01 27•12	1111.2	0.822	0.79 0.54	

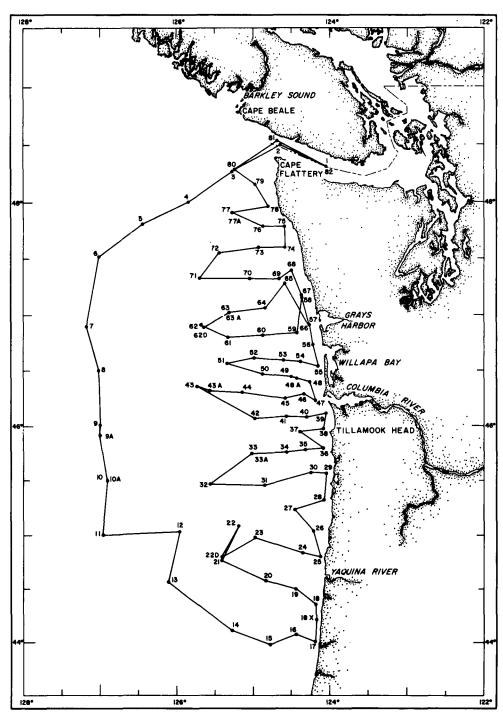


Fig. 5. Station locations Brown Bear Cruise No. 287, 8-24 May, 1961.

	·	PROD-S											
		PROD-1	19•13 19•78	•	12,52		5.76				E(0)		000
		CHL-A P	• 0 5 • 8 8		• 514		• 68				• XX0	2044 74 04174	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	WEA 60 VIS 8	NITR. CF	aa	•		٠	0			VALUES	GEOPOT.	0.000 0.039 0.074	0.166 0.227 0.277 0.359
	SDG 186 RELHU 86 1 07	SIL. N								COMPUTED V	SP.VOL.	394 3 368 1 347 9 319 0	262.8 223.3 179.5 150.0
VALUES	38 8.9 WA	PHOS.								AND	SIGMA-T	23.98 24.25 24.46 24.77	25.36 25.78 26.25 26.57
OBSERVED VA	LONG 124-03 10-1 WET VL 0 DIR	• ××0 .	5.79	5.63 5.14	4.91	4.72	4.64 4.64	3.05 3.05 2.05 2.05 2.05 2.05 2.05 3.05 3.05 3.05 3.05 3.05 3.05 3.05 3	2.15 2.13 2.07	INTERPOLATED	E(S) S		00037
OBSE	18-18N LC 3 DRY 10 2 17 SWL	SIGMA-T	23.98 23.99	24 • 06 24 • 25	24.38	24.46	24.53	25.17 25.88 25.89 26.23	26.56 26.57 26.57	I N T	SAL.	30.978 31.264 31.453 31.797	517 997 540 865
287-001	S AMT	SAL.	30 • 978 30 • 988	31.060 31.264	31,366	31,453	31.538	32.285 32.659 33.114 33.531	33.864 33.865 33.863	287-001	E(T)	<b>୷</b> ୷୷୷	00-00
STATION	HR 05	TEMP.	9.14	9.02 8.79	8.49	8.35	8.33 8.10	7.96 7.83 7.51 7.39	6.88 6.86 6.85	STATION	TEMP. E	9.14 8.35 8.10	7.89
	5/09/61 BA 3 DIR	DEPTH	OM	90-	12		3000	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	124 149 174		DEPTH	3000	50 100 150
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		PROD-S								
		PROD-1						E(0)		00000
		CHL-A P		•				• XX0	5.17 5.79 5.41 7.00	4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	WEA 60 VIS 7	NITR. CH	86.00 8.17 8.17	44 N 4	2040	6.4 7.8 8.1	VALUES	GEOPOT. ANOMALY	0.000 0.042 0.081 0.118	0.185 0.254 0.304 0.386
	SDG 214 RELHU 88	SIL·	30 35 35 35	S8 14 4 4	4444 486-	33 57 57 57	COMPUTED V.	SP.VOL.	425.6 397.8 382.9 360.5	313.9 232.8 172.5 154.4
LUES	0.3	PHOS.	1.36 1.14 1.32 1.66	1.65 1.93 2.02 2.19	2.11 2.11 2.21 2.21	2.60 2.52 2.75 7.52	AND	I GMA-T	23.055 24.05 24.10 24.33	200 200 200 200 200 200 200 200 200 200
OBSERVED VALUES	NG 124-39W 9 WET 8	oxy.	6.17 6.07 5.79	0.00 0.00 0.10 0.10 0.10	44 34 34 84 81 81	2.32 2.28 2.12	INTERPOLATED	E(S) S		.003
	18-30N LONG 9 DRY 9.9 2 09 SWL 1	SIGMA-T	23.65 23.65 23.79	24 • 02 24 • 10 24 • 13 24 • 33	24 - 54 - 54 - 55 - 55 - 55 - 55 - 55 -	26.49 26.49 26.62		SAL. E	30.681 30.966 31.069 31.288	1.876 0 2.918 0 3.669
1 287-002	X AMT	SAL.	30.681 30.669 30.854 30.966	31.012 31.069 31.127 31.288	31.549 32.254 33.129 33.669	33.809 33.831 33.920	287-002	E(T)	<i>ന</i> നനന	400.00 400.00 400.00
STATION	HR 10 82 CL 09 SEA	TEMP.	9.76 9.74 9.69 9.31	9.00 8.80 9.50 9.00	8.34 7.91 7.84 7.50	7.07 7.00 6.80	STATION	TEMP.	9.76 9.31 8.80 8.36	8.13 7.85 7.50 7.00
	5/09/61 BA 2 DIR	DEPTH	ဝက ဖဝ္	1220 320 30 30	4980 0000	125 150 175		DEPTH	9 9 9 9 9	00 100 100 100
	DATE SECDI WVEL	CAST	наен							

		PROD-S	157.76
		CHLA PROD-I PROD-S	16-27 14-01 157-76
		CHLA	1.27
	WEA VIS		
ATION 287-02A OBSERVED VALUES	HR 13 LAT 48-22N LONG 125-02W SDG CL AMT DRY WET RELHU SEA DIR SWL DIR WA		
STAT	5/09/61 8A DIR	DEPTH	c
	DATE SECDI WVEL		

	PROD-5				•			
	PROD-I					E(0)	0000	0000
	CHL-A F					0XY•		4 3.88 2.88 8.83
WEA 01 VIS 7	NITR. CH				VALUES	GEOPOT.	0000 0000 0000 00000 00000	0.191 0.256 0.309
SDG 173 RELHU 91 A 17, 17	SIL.				COMPUTED V	SP.VOL.	422.2 421.9 413.4 384.7	281.0 239.8 179.9
125-17W S WET 9.8 DIR 14 WA	u.				A D	SIGMA-T	23.68 23.69 23.78 24.08	25.17 · 25.61 · 26.25
00 00 00 00 00 00	T OXY.	6.00 4.00 6.00 7.00 6.00	6.50 6.00 4.00 6.00 6.00 6.00 6.00 6.00 6.0	3.14	INTERPOLATED	E(S)	0 • 002 0 • 014	0.032
-16N DRY 16 SW	SIGMA-T	2000 2000 2000 2000 2000 2000 2000 200	23.02 25.02 25.33 25.33	26.07		SAL.	30.000 30.000 31.000 31.000 31.000	32,365 32,859 33,585
S LAT	SAL	30.819 30.827 30.826 30.835	30.820 31.184 32.323 32.602	33,390 33,789	1 287-003	E(T)	0 0 0 0 0 0 0	0000
HR 1	TEMP.	100 100 100 100 100 100 100 100 100 100	10.18 9.87 8.44 8.16	7.77	STATION	TEMP.	10.02 10.09 10.09 9.79	8.38 8.04 7.59
5/09/61 BA B DIR	DEPTH	oomu	064 068 7	91 115		DEPTH	3000	50 75 100
DATE SECDI WVEL	CAST	<b></b> ผดผ		ผผ				ΣΣΣ

OBSERVED VALUES

STATION 287-003

		PROD-S	64•34 21•60	13.42	1 • 10		
		PROD-I	6.09 9.87	6.41	1 • 25		
		CHL-A	0.75	0.61	77.0		
	WEA VIS	NITR.					
	SDG 1317 RELHU A 15, 14	SIL.					
LUES	3	PHOS.					
OBSERVED VALUES	LONG 125-51W WET IL DIR	• ××0	6.45	6.00 6.00 6.00	55.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	พ ผ ผ ผ ผ พ พ พ พ พ พ พ พ พ พ พ	00.38
OBSE	3	SIGMA-T	24.31	200 200 200 200 200 200 200	25. 25. 26. 18	2000 2000 2000 2000 2000 2000	2007 27.001 27.001
ON 287-004	LAT 48-00N AMT DRY DIR S	SAL.	31.638	31.854 32.438 32.557	32.727 33.345 33.607	33.736 33.852 33.917 33.958	34.027 34.137 34.284
STATION	1 HR 21 08 CL 14 SEA	TEMP.	10.28	ω - Φ	8 55 8 50 8 15	7.78 7.54 7.33	94 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	5/09/6 BA 7 DIR	DEPTH	0.00	<b>0</b> 00	4 9 8 0 1 1 0 0 0 0	125 150 175 190	2887 787
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			0-1	n	d		

STATION 287-004 INTERPOLATED AND COMPUTED VALUES  H TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY  100-13 100-13 110-28 110-28 110-28 110-13 110-28 110-13 11							
STATION 287-004 INTERPOLATED AND COMPUTED VALUES  TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY  10.28 10.28 10.28 31.648 24.34 352.7 0.000 10.28 31.648 24.34 352.7 0.000 10.28 31.648 24.35 32.650 32.438 24.35 24.31 362.7 0.000 22.612 28.66 10.158 8.52 0.02 33.186 0.022 25.33 266.1 0.158 8.52 0.02 33.186 0.022 25.33 266.1 0.158 8.52 0.02 33.186 0.025 26.18 186.2 0.270 7.54 133.9 0.270 4.93 0.00 34.149 0.000 27.03 10.92 9.10 10.11 10.28 11.097		E(0)		0.02	0000	0001	
STATION 287-004 INTERPOLATED AND COMPUTED VOLORDORD STATION 287-004 INTERPOLATED AND COMPUTED VOLORDORD STATION 287-004 STATION 27-004 STATION 27-00		• XXO	00 00 04 04 04 04 04	6.21 3.70 2.88	2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0.73 0.50 0.37 0.31	05.00
STATION 287-004 INTERPOLATED AND COMPUTED VOLORDORD STATION 287-004 INTERPOLATED AND COMPUTED VOLORDORD STATION 287-004 STATION 27-004 STATION 27-00	ALUES	GEOPOT.	0.000 0.037 0.072 0.103	0.158 0.219 0.270 0.357	0.00 0.50 0.50 0.56 0.00 0.00 0.00 0.00	0.804 0.909 1.006 1.097	1,250
STATION 287-004  TEMP. E (T) SAL.  100-28 100-138 9-10 8-66 0 000 32-633-168 8-55 0 000 33-169 8-56 0 000 33-169 8-56 0 000 33-169 8-56 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169	OMPUTED \	SP.VOL.	362.7 359.8 339.8 285.7	266.1 222.3 186.2 160.2	144.3 133.9 127.9	109•2 101•1 93•8 87•0	75.0
STATION 287-004  TEMP. E (T) SAL.  100-28 100-138 9-10 8-66 0 000 32-633-168 8-55 0 000 33-169 8-56 0 000 33-169 8-56 0 000 33-169 8-56 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169	LED AND C	SIGMA-T	224 244 244 255 255 255 255 255 255 255	25.33 25.80 26.18. 26.46	26.63 26.75 26.82 26.94	27.03 27.12 27.20 27.28	. 27.41
STATION 287-004  TEMP. E (T) SAL.  100-28 100-138 9-10 8-66 0 000 32-633-168 8-55 0 000 33-169 8-56 0 000 33-169 8-56 0 000 33-169 8-56 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169 5-96 0 000 33-169	TERPOLA'	E(S)		0.022	0.000	0000	1
		SAL.	31.638 31.648 31.854 32.438	32.610 33.186 33.607 33.852	33.973 34.021 34.093	34.149 34.209 34.268 34.324	34.426
	N 287-0	E(T)		000	0000 •••• 0000 0114	1000	1
DEPTH 200 100 100 100 100 100 100 100 100 100	STATIO	TEMP.	10.28 10.13 9.82 9.10	8.52 8.52 7.52 7.54		4446 9.00. 0.00. 0.00.	3.38
		DEPTH	9000	50 100 150	4 3 50 0 0 0 0	500 700 800	1000

		PROD-S											
		PROD-1	3.40 04.00	) •	9,0	0	0.13						
	m	CHL-A	0 4 8	)	0	98	0.08			-			
	WEA 03	NITR.											
	SDG 2195 RELHU 84 A 14, 10	SIL											
-UES	126-26W S WET 8.9 I DIR 20 WA	PHOS.											
OBSERVED VALUES	4G 126-	• XXO	6.51	6.51	6.56	6.47 6.40	4.37	3.54	20.69	2.11	1.75	0.37	0.91
OBSER	48N LONG DRY 10.3 SWL 1	SIGMA-T	24.48	24.49	24.54	25.23 25.30	25.74	26.08	26.37	26.51 26.51	26.69	27•19 27•40	27.60
287-005	LAT 47-48N L	SAL.	31.868	31.873	31,890	32.550 32.562		33.537 33.732	33.804	33.927	33.985	34.244 34.410	34.544
STATION	HR 06	TEMP.	10,33	10.29	10.04	8.94 8.59	0		ωú	7.26	6 • 66 5 • 36	<b>ก</b> 4	2.37
	5/10/61 3 DIR	DEPTH	00	10	80	200 000	55.7 7.8	878 878	120	168 192	290 487	632 1031	1579
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			n -	-	_	-	-						

E(0)		000000000000000000000000000000000000000	0000	0000	m00 000
0XY•	66.01 6.03 6.05 74	0000 0000 0000 0000	1.88 1.76 1.39	0.97 0.50 0.80 0.81	0.36 0.53 0.53 0.53
GEOPOT.	00000	0.152 0.208 0.254 0.338	0.415 0.489 0.560 0.694	0.818 0.927 1.021 1.107	1.267 1.415 1.611
SP.VOL.	3466 3466 340 275 0	246.8 197.8 174.5 158.9	150•3 144•3 139•6 129•6	117.3 100.3 89.3 82.9	77 • 1 70 • 5 60 • 5
SIGMA-T	2440 2440 2440 240 240 240	26.53 26.05 26.30 26.48	26.57 26.64 26.70 26.81	26.95 27.13 27.25 27.32	27•39 27•47 27•58
E(S)		0000 0000 0000 0000 0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.002 0.004 0.009	0 0 0 0 0 0 0 0 0 0 0 0
SAL.	31.868 31.873 31.880 32.540	32.895 33.511 33.751 33.873	33.933 33.966 33.988 34.029	34.091 34.206 34.280 34.344	34.406 34.460 34.520
E(T)		0000	0000	0000 0000 0000 0000	0 0 0 0 0 0 0 0
TEMP.	001 0001 0009 0009	8.04 9.08 7.56	6.88 6.88 5.96 96	0466 0466 0466 0807	3.08 9.08 9.08
DEPTH	3000	50 100 150	0000 0000 0000	8 4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1000 1200 1500
	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  10.33 31.868 24.48 346.5 0.000 6.51 10.04 31.880 24.54 340.6 0.035 6.51 10.04 32.540 25.23 275.0 0.100 6.47	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY.  10.23 10.29 10.29 10.004 31.886 8.94 0.002 32.540 8.74 0.009 32.895 0.0045 25.23 246.8 340.66 0.0035 6.51 24.68 340.66 0.0035 6.51 6.51 8.74 0.002 25.23 246.8 0.003 6.51 6.51 8.74 0.002 25.23 275.0 0.100 6.51 6.51 8.74 0.002 25.23 275.0 0.102 6.51 8.75 0.003 33.51 0.004 26.30 174.5 0.254 2.94	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY.  10.23 10.29 10.20 10.29 10.29 10.20 10.29 10.20 10.	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY.  10.23 10.29 10.20 10.29 10.20 10.29 10.29 10.20 10.29 10.20 10.

		PROD-S	11.80						
		PROD-1	1.68		50	,	0.31		
	20.5	CHL-A	0.05	6	71.0	1	0.07		
	WEA VIS	NITR.	2.0 1.9 9.0	2.3	2°8 3°8	5•3	9.7 20.8	222 222 313 313 313	mmm 0 0 4 m - 0 0 m
	SDG 2377 RELHU 80	SIL	110	11	111	15	19 36	444 886 896 896	107 137 156
.UES	m 🕏	PH0S.	1.03	1.03	1.01	1.18	1.39	00 00 00 40 00 00	99999999999999999999999999999999999999
OBSERVED VALUES	G 127-01W 0 WET 8. DIR	• YX0	6.51 6.53	6.59	6.61 6.62	6.55	6.02 3.75	3.15 3.07 2.69 1.46	0001 0001 0001 0001
OBSER	47-31N LONG X DRY 10.0 R 15 SWL 1	SIGMA-T	25.07 25.08	25.12	25.14 25.24	25.35	25.60 26.10	00000000000000000000000000000000000000	27.10 27.30 27.53 27.53
287-006	LAT AMT	SAL.	32.568 32.573	32,533	32.547 32.547	32,577	32.794 33.544	33.749 33.847 33.876 34.018	34.193 34.340 34.501 34.608
STATION	04 CL 15 SEA	TEMP.	100	9 • 58	9.50 8.87	8•32	7.78 8.36	7.96 7.60 7.49 5.85	2.64 3.80 1.86 1.88
	5/10/61 27 BA 7 DIR	DEPTH	00 =		0 <b>4</b>	90	1000	1100 100 100 100 100 100 100 100 100 10	587 871 1402 2035
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	E(0)		00 00 14	0.27 0.27 0.20 0.00	0000	0011
	• XX0	66 69 69 61 61	9 9 9 9 0 7 0 7	2 • 16 1 • 65 1 • 43 1 • 17	0000 7400 4400	0000
/ALUES	GEOPOT.	000000000000000000000000000000000000000	0.142 0.207 0.262 0.351	0.429 0.502 0.571 0.698	0.815 0.921 1.020 1.112	1.280 1.430 1.630
OMPUTED V	SP.VOL.	289.7 289.5 285.8 283.7	269.6 248.7 193.9 161.4	150.5 141.4 133.9 121.6	1100 1020 950 880 950	79.1 71.2 61.9
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	25.07 25.08 25.12 25.14	25.29 26.10 26.10 450	26.57 26.67 26.76 26.89	27.01 27.11 27.19 27.26	27.37 27.46 27.56 27.58
TERPOLAT	E(S)		0.006	0.0011 0.0013 0.0013	0000	000000000000000000000000000000000000000
	SAL.	32.568 32.573 32.533 32.547	32.548 32.706 33.544 33.847	33.922 33.971 34.003 34.061	34.134 34.201 34.258 34.308	446 446 446 446 460 460 460 460 460
STATION 287-006	E(T)		0 0 0 0 0	0000 •••• 0000 0400	0000	0011
STATIO	TEMP.	000 000 000 000 000 000 000	8.54 8.36 9.36 0.36	7.15 6.70 6.25 5.51	444 900 900 900 700	8.00 8.00 8.00 8.00 8.00 8.00 8.00 8.00
	DEPTH	3000	50 100 150	0000 0000	8 700 8 000 000	1100 15000 2000

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		PROD-S	17•28 15•94	ć L	5.94	ć	0.0						
	•	PROD-I	2.54 8.14	î	20.00	6	N • 0						
	ณळ	CHL-A	00	0	000	0	000						
	WEA OZ S VIS B	NITR.	3. 3.	1	• • • • • • • • • • • • • • • • • • • •	o C	9						
	SDG 2606 RELHU 85 A 08, 07	SIL	411	-	2	ć	77						
.UES	127-12W SE WET 8.6 F DIR WA (	PHOS.	0.84 0.89	o o	<b>6 0</b>	•	•						
OBSERVED VALUES	127-14 WET	• <b>XX</b> 0	6.46 6.56	6.59 6.61	6.56	5.57	3.89	60°	**************************************	1 • 94 ×	0.86	0.41	0.87
	LAT 46-53N LONG AMT 4 DRY 10.4 2 DIR 03 SWL 1	SIGMA-T	24.96 25.05	25.07 25.09	25.16	25.44	26.02 26.20	26.32	200 200 200 200 200 200	26.71	27.70	27.40	27.59
STATION 287-007	N.	SAL.	32.576 32.573	32.585 32.586	32,618	32.871	33,513 33,682	33,795	33.895 33.926 33.926	34.005	34.286	34.419.	34.541
STATION	HR 22 05 CL 03 SEA	TEMP.	10.71	10.10	9.72	9.24	8.73	NO	7.63 7.53	ហ្វ	0 4 0 3 0 1	4	2.45
	5/10/61 2 DIR	DEPTH	00	980 900 8	) 4 I O		1000 000 000		173	0.0	732 732	N	1565
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	STATION	N 287-007		INTERPOLATED	AND	COMPUTED \	VALUES			
DEPTH	TEMP.	E(T)	SAL.	E(S)	SIGMA-T	SP.VOL.	GEOPOT.	• *×°	E(0)	
9800	10.71 10.19 10.10		32.576 32.573 32.585 32.585		200.00 200.00 200.00 200.00	300 3 292 2 290 1 289 1	000000000000000000000000000000000000000	6.4 6.0 6.0 6.0 6.0 6.0 6.0		
30 100 150	08867 4886 485 885 885 885	00 00 00 00 00 00 00 00 00 00 00 00 00	32.704 33.356 33.682 33.850	0.0000	200 200 200 200 200 200 200 200	271.9 214.6 184.5 165.8	00000000000000000000000000000000000000	044 040 044 044	0 • 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
0000 0000 0000	7.50 6.97 5.78	0000	33.929 33.975 34.000 34.069	0000 •••• 0000 0000 00114	26.53 26.64 26.73 26.87	154.7 144.7 136.7 124.4	0000 4400 6000 6000 6000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.03 0.28 0.02 0.11	
8 4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2444 444 440 609	0000	34.124 34.195 34.326 34.322	0000 0000 0000 0000 1481	26.97 27.08 27.18 27.26	114 105 96 105 89 89	0.818 0.928 1.029 1.122	0000 0000 0000 0000 0000	0000	
11000 11000 15000 10000	2000 0000	00001	34.400 34.469 34.532 34.532	0000	27.38 27.47 27.57 27.69	78.2 70.0 60.8 49.6	1 • 289 1 • 437 1 • 633 1 • 909	0 • 39 0 • 51 0 • 79 1 • 53	0001	

	PROD-S								
	PROD-I	1.52		0.76	•	0 • 1 6			
ผือ	CHL-A	0.13		0•11	•	•			
WEA	NI TR	1 • 1 1 • 8	2.0 0.1	2.9	4.9	14.2 21.3	0000 4000 8-00	6446 9146 • • • • • • • • • • • • • • • • • • •	33.0
36 2654 RELHU 8 35, 12	SIL	ውው	12 9	1.1	14	21 35	4 <b>4</b> സ സ ພ <b>0</b> ພ സ	74 106 136 156	189
K 3	PHOS.	00	0 • 86 0 • 88	1.00	1.04	1.53	2222 0004 0042	0000 0004 0004 0004	3.27
	oxx.	6.00 0.00	6.52 6.52	6.52	6.37	5.21	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1.68 0.33 0.33	0.91
	S1GMA-T	24 • 92 24 • 96	24.97	25.08	25.20	25.60 26.09	26.39 26.39 26.57 26.53	200 27 27 27 20 24 44	27.62
LAT AM1	SAL.	32.488 32.491	32.492 32.492	32,538	32,583	32.928 33.448	33,753 33,832 33,906 33,934	34.012 34.133 34.314 34.447	34.555
HR 04 09 CL 36 SEA	TEMP.	10.55 10.36	10.27	9.83	9.29	8•48 7•94	7.51 7.29 7.09 6.79	0046 0046 0006 0006	2.26
5/11/61 BA 4 DIR	DEPTH	00 -			50	74 98 98	118 166 190	294 492 739 1035	1583
DATE SECDI WVEL	CAST	NU	ผผ	N	8	ผผ	ดดดด		
	5/11/61 HR 04 LAT 46-29N LONG 127-01W SDG 2654 WEA BA 09 CL 6 AMT 3 DRY 11.1 WET 9.7 RELHU 82 VI 4 DIR 36 SEA 2 DIR 36 SWL 2 DIR 20 WA 05. 12	5/11/61 HR 04 LAT 46-29N LONG 127-01W SDG 2654 WEA 02 BA 09 CL 6 AMT 3 DRY 11.1 WET 9.7 RELHU B2 VIS 8 4 DIR 36 SEA 2 DIR 36 SWL 2 DIR 20 WA 05, 12 DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I	5/11/61 HR 04 LAT 46-29N LONG 127-01W SDG 2654 WEA 02 BA 09 CL 6 AMT 3 DRY 11.1 WET 9.7 RELHU B2 VIS B 4 DIR 36 SEA 2 DIR 36 SWL 2 DIR 20 WA 05, 12  DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I 10 10.36 32.491 24.96 6.50 0.85 9 1.1 0.13 1.00 11 10.36 32.491 24.96 6.50 0.85 9 1.8	5/11/61 HR 04 LAT 46-29N LONG 127-01W SDG 2654 WEA 02  4 DIR 36 SEA 2 DIR 3 DRY 11.1 WET 9.7 RELHU B2 VIS 8  4 DIR 36 SEA 2 DIR 36 SWL 2 DIR 20 WA 05. 12  DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I  10 10.55 32.498 24.92 6.55 0.85 9 1.1 0.1 0.13 1.52  20 10.27 32.492 24.97 6.52 0.86 12 2.1  22 10.18 32.492 24.99 6.52 0.88 9 2.0	5/11/61 HR 04 LAT 46-29N LONG 127-01W SDG 2654 WEA 02 4 DIR 36 SEA 2 DIR 36 SWL 2 DIR 20 WA 05, 12  DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I 10 10.55 32.491 24.96 6.50 0.85 9 1.1 0.13 1.60  20 10.27 32.492 24.97 6.52 0.86 12 2.1 20 10.18 32.492 24.99 6.52 1.00 11 2.9 0.11 0.76	5/11/61 HR 04 LAT 46-29N LONG 127-01W SDG 2654 WEA 02 4 DIR 36 SEA 2 DIR 36 SWL 2 DIR 20 WA 05, 12  DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I 10 10.55 32.498 24.95 6.55 0.85 9 1.8 0.13 1.52 20 10.27 32.492 24.97 6.52 0.86 12 2.0 29 10.18 32.492 24.97 6.52 0.86 12 2.0 35 9.83 32.538 25.08 6.52 1.00 11 2.9 59 9.29 32.583 25.20 6.37 1.04 14 4.9	5/11/61       HR 04 LAT 46-29N LONG 127-01W LAT 9.7 RELHU 82 VIS 8         4 DIR 36 SEA 2 DIR 36 SWL 2 DIR 20 WA 05. 12       VIS 8         10 DEPTH TEMP.       SAL.       SIGMA-T 0XY.       PHOS.       SIL.       VITR.       CHL-A PROD-I         10 LOST       32.492       24.92       6.55       0.86       12       2.1         20 LO.27       32.492       24.97       6.52       0.86       12       2.1         20 LO.27       32.492       24.99       6.52       0.86       12       2.1         20 LO.27       32.492       24.99       6.52       1.00       11       2.9         20 LO.27       32.538       25.08       6.52       1.00       11       2.9         29 LO.38       32.583       25.20       6.37       1.04       14       4.9         57 LO.38       32.588       25.60       5.21       1.04       14       4.9	5/11/61         HR 04 CL 6 AMT 3 DRY 11.0 WET 3 DRY 11.0 WET 3.0 CL 6 AMT 3 DRY 11.0 WET 3.0 WA 05. 12         SDG 2654 WED 0.0 S DRY 11.0 WET 0.7 RELHU 82 WIS 8         WED 40 S DRY 11.0 WET 0.7 RELHU 82 WIS 8         WED 40 S DRY 11.0 WET 0.7 RELHU 82 WIS 8         WED 40 S DRY 11.0 WET 0.7 WED 0.0 S DRY 11.0 WET 0.0 WA 05. 12         NITR. CHL-A PROD-I         DEPT I         DEPT I         NITR. CHL-A PROD-I         DEPT I         DEPT I <t< td=""><td>5/11/61         HR Od DIR 3C SMT 3 DRY 11:1         WET 3 DRY 11:1         W</td></t<>	5/11/61         HR Od DIR 3C SMT 3 DRY 11:1         WET 3 DRY 11:1         W

	E(0)	00 • 0	0000 0000 4001	0000 •••• 1400	0000	000
	• XXO	0000 0000 0000 0000	92.64 04.00 04.00	2.54 2.10 1.64 1.07	00.71	000
VALUES	GEOPOT.	000000000000000000000000000000000000000	0.149 0.215 0.270 0.357	0.432 0.501 0.568 0.693	0.808 0.914 1.011 1.099	1 • 258 1 • 399 1 • 586 1 • 853
AND COMPUTED V	SP.VOL. ANOMALY	304.1 301.0 299.7 297.7	284.7 247.9 191.3 155.4	142.8 135.4 130.1	110.9 101.1 92.2 84.9	74.3 66.5 57.9 49.1
	SIGMA-T	24.92 24.96 25.96	25.00 25.00 26.13 26.13	26.65 26.73 26.79 26.91	27.01 27.12 27.22 27.30	27.42 27.51 27.50 7.60
INTERPOLATED	E(S,)	0.001	000000000000000000000000000000000000000	00000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000
	SAL.	32.4488 32.491 32.492 32.496	32.859 33.488 33.888	33.943 33.984 34.016 34.078	34.139 34.214 34.286 34.347	34.433 34.491 34.591 34.546
N 287-008	E(T)	00•0	0000	0000	0000	000
STATION	TEMP.	10.55 10.36 10.27	9.54 7.89 7.23	6.04 6.00 8.00 8.00 8.00 8.00	0.01 4.07 3.01 7.01 7.01 7.01	3.38 2.39 1.89
	DEPTH	3000	50 100 150	0000 0000	8 700 800 800	11200 12000 2000

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		PROD-S					
•		PROD-I					
	02 8	CHL-A					
	WEA C	ZITR.					
	6 2743 ELHU 5. 08	SIL.					
ES	W SDG REL WA OS,	PHOS.					
OBSERVED VALUES	3 127-00W WET DIR	• ××0	6.59 6.59 6.61 6.61	66.63 5.92 5.92 5.05	3.76 3.81 3.25	0000 0000 0041 0040	0.94
OBSER	46-00N LONG T 2 DRY TR 30 SWL 1	SIGMA-T	25.00 25.00 25.00 25.00 25.00	25.30 25.30 25.30 25.36	26.31 26.45 26.53 26.61	26.79 27.04 27.26 27.42	27.61
ON 287-009	LAA PAA	SAL.	32 32 32 32 53 53 53 53 53 53 53 53 53 53 53 53 53	32.529 32.551 32.803 33.260	33.660 33.794 33.869 33.900	33.974 34.169 34.311 34.436	34.555 34.618
STATION	HR 11 14 CL 30 SEA	TEMP.	9.79 9.74 9.74 9.50	9.44 8.50 8.50 7.81	7.53 7.30 7.16 6.76	3.96 3.96 3.98 3.98	2.28 1.84
	5/11/61 BA 5 DIR	DEPTH	3800	049 040 040	124 149 173 198	200 400 440 4455	1590 2066
	CO1	TS	ดดดด	ดดดด	ดดดด		

									PROD-S	22.12
	E(0)		0000	0000	0000	1000			PROD-1	2.81
	0XY•	6.50 6.50 6.61 6.61	60.09 6.09 6.09 6.1	3. 2.00 1.10 1.10	0000	0.36 0.50 0.82 1.57				26
VALUES	GEOPOT.	000000000000000000000000000000000000000	0.143 0.209 0.266 0.358	0.5435 0.5035 0.572 0.696	0.809 0.913 1.008 1.096	1.257 1.402 1.593 1.863		WEA	CHL-A	•
COMPUTED \	SP.VOL.	289 2889.7 289.0 284.9	277.8 250.1 205.5 160.9	146.4 136.7 130.0 118.0	108.3 99.1 91.2 85.1	768-1 588-5 79-64		SDG RELHU		
AND	SIGMA-T	200 200 200 200 130 130 130 130 130 130 130 130 130 1	22 22 22 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26	26.61 26.72 26.79 26.93	27.04 27.14 27.33	24. 24. 24. 25. 25. 25. 25. 25. 25. 25. 25. 25. 25	VALUES	7-00W ET		
INTERPOLATED	E(S)		0000	0000 •••• 0000 0400	0000 0000 0000	0000	OBSERVED	LONG 12		
	SAL.	322 322 322 322 322 322 322 322 322 322	32.525 32.735 33.280 33.798	33.9902 33.942 34.975	34.172 34.237 34.291 34.337	34.420 34.470 34.542 34.612		45-54N L T DRY IR SWL		
N 287-009	E(T)		0000	0000	0000	0001	N 287-09A	B LAT A DA		
STATIO	TEMP.	9.70 9.70 9.50	8.98 8.12 7.80 7.30	6.73 6.17 5.77 5.30	0446 0010 0010 0046	6046 4447	STATIO	HR SE SE		
	DEPTH	9000	50 75 100 150	220 300 400 000	500 600 700 800	1000 1200 1500 2000		5/11/61 BA DIR	DEPTH	0
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		PROD-S										
		PROD-I	1.69	•	1.19	Ċ	0 0 0					
		CHL-A	00.00	•	0 • I •	0	V •					
	WEA VIS	ν. Υ.										
	SDG 2743 RELHU 94 1 14, 30	SIL										
.UES	126-55W SE WET 10.0 F DIR WA 1	PH0S.										
OBSERVED VALUES	G 126-8 6 WET DIR	• ××0	6.59	6.55 6.50	6.50	6.44	6.15 5.15	4.20	9999 8999 8999	2.41	0.37	0.64
_	LAT 45-29N LONG AMT DRY 10.6 DIR 31 SWL	SIGMA-T	25.14 25.14	25•15 25•15	25.15	25.28	25.36 25.95	26.29 26.29	26.55	26.73	27.24	27.56 27.68
OIO-/82 NO	LAT 45 AMT 1 DIR	SAL.	32.633 32.625	32.624 32.624	32,630	32,759	32.787 33.232	33,657	33.877	33.954	34 • 288 34 • 383	34.523 34.607
SIATION	HR 18 19 CL 31 SEA	TEMP.	9.91 9.87	9•85 9•81	9.82	9•68	9.29	96	7.04	.13	4.04 4.09 4.69	2.60 1.98
	5/11/61 BA 7 DIR	DEPTH	00	100 200 200 200			949	-m	162 200	4 (J	651 935	1418 1880
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										PROD-S	10.70 11.80 3.58
	E(0)	00	0000	0.02 0.11 0.06	0000 0000 0004	0000				PROD-1	1.35 1.35 0.36
	0XY•	6666 6666 6666 6666 6666 6666 6666 6666 6666	6.44 6.74 9.76 9.53	0.00 1.00 1.00 1.00 1.00	0000 8480 8480	0.37 0.45 0.76				CHL-A F	17 17 17 18 18 18
VALUES	GEOPOT.	0.000 0.029 0.057 0.085	0.141 0.209 0.267 0.354	0.430 0.499 0.565 0.687	0.798 0.898 0.989 1.075	1.238 1.387 1.581			WEA VIS	NITR. C	4444 7.000 0000
COMPUTED V	SP.VOL. ANOMALY	283 283.1 283.2 282.8	276.7 267.0 193.7 156.0	145.0 134.4 127.3 116.7	105.6 94.8 87.6 83.9	78.5 70.3 59.0			IG RELHU	SIL. N	111 9 9
AND	SIGMA-T A	255 255 256 256 256 256 256 256 256 256	25 25 25 25 25 25 25 25 25 25 25 25 25 2	26.63 26.44 26.82 26.94	27.07 27.18 27.27 27.31	27.38 27.47 27.59		VALUES	-55w SC T	PHOS.	000-0 000-0 000-0 000-0
INTERPOLATED	E(S)	0 0 0 0 0 0 0	000000000000000000000000000000000000000	000	0000 0000 0005 0005 0005	000000000000000000000000000000000000000		RVED	LONG 126 WE L DIR		
	SAL	32.633 32.625 32.624 32.624	32.701 32.766 33.397 33.845	33.910 33.958 33.994 34.066	34.156 34.245 34.311 34.340	34.404 34.465 34.541		08	45-29N LO T B DRY IR SWL		
N 287-010	E(T)	000	0000 •••• 0010 0400	0 0 0 0 0 0 0	0000	001		N 287-010A	LAA D		
STATIO	TEMP.	9.91 9.87 9.85 9.81	9.77 9.42 7.57 7.19	6.73 6.08 5.67 5.14	44 E E E E E E E E E E E E E E E E E E	3.00 9.10 9.10	•	STATIO	1 HR 19 20 CL 32 SE/		
	DEPTH	3000	50 100 150	2200 3000 4000	500 700 800	1000 1200 1500			5/11/6 22 BA 7 DIR	DEPTH	0000
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		PROD-S								
		PROD-I	1.18	•	•	1 • 22	0.92			
	۵۲ ا	CHL-A	0.23	•						
	3 WEA 0 93 VIS	φ 1 Z	0.8	0.4	0.0	1.9	001 0.00 0.4	12.8 17.7 15.5 20.6	25.9 37.1 39.1	35.55 32.55
	274 HU 05	SIL	7	60	60	7 8	9 6 71	988 480 1	54 124 146	159 156
_UES	59W SDG 8.6 REL WA 18	PH0S.	0.85	0.85	0.84	0.84	0.91 0.94 1.34	1 • 48 1 • 82 1 • 71 2 • 05	200 200 200 200 200 200 200 200 200 200	2.99
OBSERVED VALUES	1G 126-59W 0 WET 8 DIR	• XXO	6.47	6.45	6.43	6.4 0.4 0.4	6 6 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	444 944 040 040 040	2.83 0.97 0.45 0.31	0.68 1.45
	-00N LONG DRY 10•0	SIGMA-T	25.12	25.12	25.12	25•14 25•15	25.24 25.32 25.67	00000 0000 0000 0000 0000 0000 0000 0000	26.73 26.95 27.14 27.37	27.58 27.68
	LAT 45 6 AMT 1 1 DIR	SAL.	32.752	32.748	32.749	32.763 32.757	32.762 32.777 33.056	33.470 33.690 33.807 33.869	33.947 34.074 34.202 34.397	34.534 34.607
STATION	1 HR 05 24 CL 31 SEA	TEMP.	10.58	10.56	10.60	10.50	9 9 9 9 9 9 9 9	8 0 0 5 7 6 8 9 5 7 0 6 8 9 0 5 7 0 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.52
	5/12/6 BA 8 DIR	DEPTH	Oα	100	200	16.4 000	53 80 00 00 00	121 146 175 194	9648 965 965 960 960	1473 1934
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	E(0)	•	0000	0000	0000 4000	000
	• XX0	0000 4444 7000	იბი < • • • • • • • • • • • • • • • • • • •	1	<b>►</b> 1040	0.32 0.40 0.71
VALUES	GEOPOT. ANOMALY	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 • 142 0 • 211 0 • 274	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.837 0.946 1.047	1.308 1.454 1.645
AND COMPUTED VALUES	SP • VOL • ANOMALY	2885 2885 2885 3	279 270 234 49 9		112.5 104.7 97.3 89.9	77 • 4 68 • 6 59 • 3
	SIGMA-T	25.12 25.12 25.12 25.12 14	25.19 25.29 25.67	26.56 26.71 26.79 26.79	27.00 27.08 27.17 27.25	27.39 27.49 27.59
INTERPOLATED	E(S)		0.001	0000 0000 0000 0000	8888	0.003
	SAL.	32.752 32.748 32.749 32.763	32.757 32.760 33.056	33.881 33.942 33.978	4444	34.416 34.483 34.530
N 287-011	E(T)		0.02	0000	0000	000
STATION	TEMP.	100 100 100 50 50 50	10.21 9.61 8.68	ס משמ		0.00 0.00 0.00 0.00 0.00
	DEPTH	0000	08 001 000 000	0000 0000	8 4 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1000 1200 1500

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		PROD-S	11.24									
		PR00-1	1.46	1 • 60		0.68	0.12					
	<b>2</b> 1	CHL-A	0.10	0.17		00•0	0.11					
	WEA 02 2 VIS 7	NI TR.										
	SDG 2743 RELHU 72 1 04. 08	SIL.										
UES	.8w SE	PHOS.										
OBSERVED VALUES	6 125-58W 2 WET 7.8 DIR WA	• YX0	6.38	6.32	6.38	6.42 6.38	6.31 5.69 4.76	3.79	3.00 8.00 8.00 8.00 8.00 8.00 8.00 8.00	1.71	0.45	0.90
OBSER	-02N LONG DRY 10.2 30 SWL 1	SIGMA-T	24.56	24.56	24.73	24 • 93 25 • 08	25.33 25.33 25.70	26.09	286 286 286 286 286	26.79	27.20	27.61
ON 287-012	LAT 45 6 AMT 8 2 DIR	SAL.	32.165	32.173	32,349	32.528 32.603	32.628 32.810 33.148	33.536	33.835	34.030 34.145	34.280	34.553
STATION	26 CL 3	TEMP.	11.20	11.20	1.0	10•68 10•14	9 • 86 9 • 60 9 • 94	8 • 40	7.08 7.08	6.18 5.07	സ്	2.30
	5/12/61 BA 7 DIR	DEPTH	00	100	20	<b>u</b> 4 <b>o</b> 0	980 000 000	121	1969	293 492	44	1593
	DATE SECDI WVEL	CAST								ผผ	นน	αn
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	E(0)		0.02	0000 0000 1417	0000	0001
	• <b>XX</b> 0	66 66 80 66 80 80 80 80	6.38 4.76 3.59	2.81 2.22 1.66 1.11	0000 8000 81400 81400	00.00 140.00 10.00
VALUES	GEOPOT.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.158 0.227 0.290 0.391	0.5471 0.542 0.609 0.733	0.848 0.955 1.055 1.149	1 • 4 • 4 • 4 • 4 • 4 • 4 • 4 • 4 • 4 •
COMPUTED V	SP.VOL.	88888 8000 8000 8000 8000	285.7 272.3 231.9 169.4	149.6 137.8 129.9	1103 103 103 103 103 103 103 103 103 103	7.886 0.088 0.088
AND	SIGMA-T	24.56 24.56 24.73 24.93	25.27 25.27 26.36	26.58 26.71 26.80 26.93	27.02 27.10 27.17 27.25	27.39 27.49 27.59
INTERPOLATED	E(S)		0.013 0.000 0.002	000 000 000 000 000 000 000	0000	000000000000000000000000000000000000000
	SAL	32.165 32.349 32.528	32.616 32.740 33.148 33.768	33.908 33.986 34.036 34.105	34.149 34.204 34.258 34.315	044.480 044.480 044.090 0440
V 287-012	E(T)		00000	0000	0000	000
STATION	TEMP.	111.20	9.93 9.68 8.94 7.7	7.01 6.51 5.13 5.13	0.44 4.0.0 4.0.0 4.0.0	3.61 2.10 2.46 7.86
	ОЕРТН	9000	50 100 150	0000 0000 0000	500 700 800	11500 1500 1500 1500

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		PROD-S	25.54 27.28	رد م	1	0,00						
		PROD-I	2.97 3.75	- የ		0	,					
	02 7 6	CHL-A	0.25	α 0	) 1	71.0						
	WEA VIS	NITR.	1.1	0	1	0,	9					•
	SDG 2834 RELHU 71	SIL	77	ť	ח	0	6					
OES	126-08W SE WET 7.8 F DIR 00 WA C	PHOS.	0.59	75	•	76 - 1	90					
OBSERVED VALUES	126-0 1 WET DIR	0XY•	6. 44. 6. 7.	6.42 04.0	6.39	6.08	5.30 4.31	3.55 3.05 13.05	2.88	1 • 85 0 • 48	0.49	1.00
OBSER	-33N LONG DRY 10•1 32 SWL 0	SIGMA-T	24 24 46 46 46 46	24.66 24.81	25.06	25.23	25.51 25.97	26.27 26.41	26.55 26.63	26.80	27.26	27.63
ON 287-013	LAT 44-33N LON 6 AMT 9 DRY 10. 2 DIR 32 SWL C	SAL.	32.294 32.293	32.296 32.412	32,588	32.681	32.947 33.397	33.673	33.910 33.945	34.004 34.130	34 • 323 34 • 448	34.581 34.628
STATION	HR 00 28 CL 33 SEA	TEMP.	11.34	11.21 10.83	10.17	9.61	9•13 8•48	000	7•21 6•84	0,00	4.00 0.4.00 0.4.00	2.38 1.82
	5/13/61 BA 3 DIR	DEPTH	00	000	14 10	9,0	1000	125	175	ውው	748 1049	1445
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	0XY. E(0)	00 00 00 00 00 00 00 00 00 00 00 00 00	5.29 0.00 5.53 0.01 1.31	93 06 06 06 06	0.48 0.007 0.36 0.007 0.41 0.004 0.52 0.01	
VALUES	GEOPOT.	0.000 0.0034 0.0000 0.0000	0.159 0.226 0.284 0.377	0.454 0.524 0.590 0.705 1	0.924 0.924 0.020 1.109	1.6271 1.6414 1.5593 1.843
AND COMPUTED V	SP.VOL.	331.7 330.8 329.7 315.0	281.8 257.2 206.6 165.5	144.6 135.4 129.4 118.4	1009.4 1000.3 92.2 85.8	76 666 53 4 66 9 7 9 9
	SIGMA-T	24 24.63 24.64 24.86	25.17 25.43 25.97 26.41	26.453 26.453 26.92 92	27.03 27.13 27.22 27.29	27.40 27.51 27.65
INTERPOLATED	E(S)		0.022	0.000 0.000 0.000	0000	00011
	SAL.	32.294 32.293 32.296 32.412	32.645 32.864 33.397 33.790	33.949 33.945 34.005 34.005	34.131 34.211 34.287 34.340	044 044 044 044 044 046 046 046 046
N 287-013	E(T)		0 • 0 • 0 • 1	000	0000	000000000000000000000000000000000000000
STATION	TEMP.	11.34 11.27 11.821 10.83	9 • 8 2 5 9 • 4 8 9 • 4 8 9 • 4 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	00.00 00.00 00.00 00.00	44 44 44 44 44 44 44 44	3.55 3.03 2.28 1.81
	DEPTH	3000	50 100 150	00000 0000	8 4 8 9 9 9 9 9 9 9	1000 1500 2000 2000

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		PROD-S							
		PROD-I	5.42	(	2.55	(	42.0		
	20.5	CHL-A	0.51 0.24	•	0.33	(	000		
	WEA VIS	NITR.	00	00	3.5	5.9	11.1	19 22 33 9 9 9 0	34.1 34.1 37.1
	SDG 2250 RELHU 67	SIL.	91	99	σ	13	16 32	30 30 4 4 1	65 99 741
-UES	125-16W SD WET 7.2 R DIR WA O	PH0S.	0.53	0.62	0 • 88	1.01	1.28 1.84	1.86 1.63 2.23 2.42	20.00 30.00 41.4
OBSERVED VALUES	•••	• <b>XX</b> 0	ბბ ••• 44 %	6.43 6.37	6.12	96•5	5.16	3.27 2.74 2.22 1.90	0.69
OBSER	44-06N LONG 9 DRY 10.0 R 30 SWL 1	SIGMA-T	24 • 51 24 • 53	24•62 24•66	24.99	25.21	25.52 25.97	22222222222222222222222222222222222222	26.76 27.03 27.44 27.44
287-014	S LAT	SAL.	32•151 32•156	32.251 32.253	32.466	32.628	32.966 33.460	33.742 33.904 33.978 33.995	34.024 34.168 34.458
STATION	1 HR 08 27 CL ( 31 SEA	TEMP.	11,338	11.20	10.04	9.48	9•21 8•78	7.81 7.18 6.90 6.73	2000 2000 2000 2000 2000 2000 2000 200
	5/13/61 BA 4 DIR	DEPTH	00	10 20 20 20	) (N	20	76 28 68	123 148 173 195	2994 10493 1591
	DATE SECDI WVEL	CAST	NN	ผผ	N	8	ุดผ	ดดดา	ed ed ed ed

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	STATIO	STATION 287-014		INTERPOLATED		AND COMPUTED VALUES	ALUES		
DEPTH	TEMP.	E(T)	SAL.	E(S)	SIGMA-T	SP.VOL. ANOMALY	GEOPOT.	ox •	E(0)
3000	111 111.33 10.92	0.00 0.02	32.151 32.156 32.249 32.272	0 • 0 0 0 0 0 0 0	0.000 0.000 0.000 0.000 0.000	342 • 9 341 • 9 333 • 0 326 • 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 4440 9000	00
50 75 100 150	9.60 9.26 7.15	0000	32.566 33.8884 33.492	0000 0000 0000 0000	25.01 25.01 26.01 26.01	284 • 2 255 • 8 202 • 8 150 • 4	0.163 0.230 0.287 0.376	90.00 0.00 0.00 0.00 0.00	0000
00004 0000 0000	6.73 6.48 6.31 5.67	0000 0000 4000	34.009 34.035 34.028 34.098	0.001 0.001 0.001 0.001	26.70 26.75 26.77 26.90	138•3 133•9 132•9 121•0	0.448 0.516 0.583 0.710	1.97 1.71 1.69 1.20	0000
500 600 800	044E	0000	34.238 34.238 34.298 34.351	0000	40. Tra 40. Tra 60. Tra 00.	108.2 99.3 91.5 84.9	0.824 0.928 1.023 1.12	0.67 0.27 0.18	0000
1200	0.00 0.00 0.00 0.00	0.03	34.442 34.507	000000	27.42	74.7 66.4 58.0	1.271	000	0.03

		PROD-S	25.54							
		PROD-1	2.97	3.28	4.70	2 • 65		E(0)		0.19
		CHL-A P	• 19	• 22	• 40	• 20		• ××0	66 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5.33 3.40 2.70
	WEA 02 VIS 7	NITR. CH	0	0	0	0	LUES	GEOPOT.	0.000 0.036 0.070 0.103	0.163 0.220 0.265
	SDG 110 W RELHU 70 W	SIL. NI					COMPUTED VALUES	SP.VOL. GANOMALY A	359 3 345 7 336 6 333 1	266.4 190.1 170.8
UES	เง≩	PH0S•					AND	SIGMA-T A	24 . 34 . 34 . 36 . 38 . 38 . 38 . 38 . 38 . 38 . 38	25.33 26.13 26.34
OBSERVED VALUES	16 124-47W 16 WET 7	• ×× o	66.03 6.03 6.03 6.03	64 44 60 60 60 60	6 6 9 8 8 7 8 7	4.07 3.29 2.70	INTERPOLATED	E(S) SI	NNNN	0.079 0.022 0.022
	3-58N LONG 9 DRY 10.6 28 SWL 1	SIGMA-T	200 200 200 200 200 200 200	24 24 24 24 33 34 34 34 34 34 34 34 34 34 34 34 34	24.61 24.62 24.62	25.90 26.16 26.34		SAL. E	31.966 32.112 32.175 32.214	32,813 0,33,574 0,33,736
287-015	6 AMT 9 D	SAL	31.9966 31.949 31.950	32.112 32.156 32.156	32.204 32.314 32.315	33,350 33,593 33,736	287-015	E(T)	,,,,,,,	0.04
STATION	HR 12 26 CL 28 SEA	TEMP.	111 • 05 • 05 • 05 • 05 • 05 • 05 • 05 • 05	11.36 11.19 11.09	11.07 11.04 10.58	8.70 8.23 7.74	STATION	TEMP.	11.35 11.35 11.099	9.63 8.28 7.74
	5/13/61 BA 1 DIR	ОЕРТН	onv	N111 0000	ี ผพ⊙ 0	4 9 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		DEPTH	3000	50 75 100
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		PROD-S								
		PROD-I	5.49	4.52	6.17	0.50		E(0)		0.19
		CHL-A P	60•	• 12	• 20	• 1 2		oxy.	44004	5.33 2.38 2.40
	WEA 01	NITR. CH	0	0	0	0	ALUES	GEOPOT.	000000000000000000000000000000000000000	0.158 0.207 0.247
	SDG 122   RELHU 65	SIL. N					PUTED V.	SP.VOL.	363.1 349.4 339.8 313.9	229.9 166.7 149.9
LUES	7W 2	PH0S.					INTERPOLATED AND COMPUTED VALUES	SIGMA-T	24.00 24.00 24.00 24.00 24.00 24.00 24.00	25•71 26•38 26•56
OBSERVED VALUES	16 124-	• ××0	000 000 000 000 000	66 66 66 66 66 66 66 66 66 66 66 66 66	000 ••• 444 884	4 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	RPOLATE	E(S) S		0.033
OBSE	. 44-04N LON IT 8 DRY 11.	SIGMA-T	000 444 000 000	24. 24. 24. 551 551	24. 24. 25. 26. 26. 36.	26.10 26.43 26.56		SAL.	31.897 32.054 32.146 32.322	33.117 0 33.785 0 33.923
287-	LAA	SAL	31 . 897 31 . 923 31 . 927	32.054 32.126 32.146	32.180 32.322 32.666	33.526 33.824 33.923	287-016	(T)	<b>ଜ</b> ଣ ଜାଣ	0.0 0.0 0.0 0.0 0.0 0.0
STATION	HR 15 26 CL 6 00 SEA	TEMP.	111 1146 1194 1194	11.33 11.29 11.15	11.04 10.36 9.37	8.26 7.61 7.23	STATION	TEMP. E	111 • 46 10 • 36	8.71 7.74 7.23
-	5/13/61 BA DIR	DEPTH .	om v	Z0110 Z0107	NNW4 wn00	4 9 8 0 0 0 0 0 0 0	-	DEPTH .	00 00	50 100
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		PROD-S				•			
		PR00-1 PI	6.58	5.27	2•65			E(0)	
			13 4 1	ღ	ي			oxx.	66.288 6.288 8.288 8.288
	67	CHL-A	0.33	0.63	0.56			•≻	
	WEA 03	NITR.					VALUES	GEOPOT.	0.000 0.039 0.074
	SDG 53 RELHU 70	SIL					AND COMPUTED VALUES	SP.VOL.	4415 3446 3446 3416 3416 3416
LUES	124-12W SE WET 9.4 F DIR 30 WA C	PHOS.						SIGMA-T	23.72.72.72.73.00.00.00.00.00.00.00.00.00.00.00.00.00
ED VA	124- WET DIR	oxx.	6.66 6.46	6.37 6.48 6.36	6.28 6.28 2.88 2.58		OLATE	E(S) S	
OBSERVED VALUES	44-00N LONG 9 DRY 12.2 R 18 SWL 1	SIGMA-T	23.75 24.28	24. 24. 24. 24. 24.	24.50 24.51 24.51		INTERPOLATED	SAL. E	31.228 32.019 32.057 32.085
287-017	LAT AM1	SAL.	31.228 31.818	31.897 32.019 32.052	32.057 32.062 32.085		287-017	E(T) 8	6888
STATION	23 CL 18 SEA	TEMP.	11.66 11.26	111.24 111.24 111.07	111.04 111.01 10.99		STATION	TEMP. E	111.66 111.24 110.99
	5/13/61 BA 1 DIR	DEPTH	omu	<b>2011</b>	0000 0000 0000			DEPTH	0000
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	PROD-S							
	PROD-I				٠		E(0)	
	CHL-A						ox<	00000 00044 00044
<b>พ</b> ร 0					·	n	OT.	.000 .042 .079
WEA VIS	αLIN	0000	0000		<u>.</u>	VALUES	GEOPOT.	0000
SDG 51 RELHU 76 1 03	SIL	ผ⊶ดเข	ଦଳထଳ		0 1 2	のように	SP.VOL.	441.2 379.6 370.3 366.8
124-11W SE WET 9.8 F VIR 30 WA (	PHOS.	0000	0000		2	Z	SIGMA-T	203 204 204 204 203 204 203
, <sup>-</sup>	0×4	66 64 64 64 64	0000 •••• 4444 4000			10L	(8)	
44-20N LONG F 9 DRY 12.1 R 22 SWL 1	SIGMA-T	200 200 200 200 200 200 200 200 200 200	24.01 24.03 24.03 24.05				SAL. E	30.932 31.666 31.758 31.794
B AMT	SAL.	30.932 30.941 31.198 31.666	31.741 31.758 31.787 31.794		0.00		E(T)	()()()
1 HR 2 27 CL 22 SE	TEMP.	111.86 111.91 111.67	111.30 111.22 111.22		MO LTATA	5	TEMP.	111 98 111 20 111 20
5/13/6 BA 2 DIR	DEPTH	06.00	380 380 380				DEPTH	3800
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OBSERVĘD VALVES

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	PROD-S									
	ROD-I	2.87	2.53	3.36	69•0			E(0)		1 1
		٠ 0	• 11	• 13	• 25			• XX0	0000 0000 0000 0000 0000	3.86
/EA 06 VIS 7		0	0	0	0		NLUES .	SEOPOT.	0.000 0.037 0.073 0.108	0.163
86	SIL. NI						PUTED VA	P.VOL.	366.0 366.1 357.0 345.0	202.5
4 ¥	PHOS.						AND			26.00
	• XXO	6.53 6.53 6.50	6 5 5 5 5 5 7 7 7 8	0.04 0.04 0.04 0.00	3.61		RPOLATED	_	พพพพ	2
-28N LON DRY 104	SIGMA-T	24.27 24.28 24.28	24.27 24.28 24.37	22 44 44 60 60 80 80 80	25.96		INTER	•		- 392 -
LAT AMT DI	SAL.	31.876 31.893 31.873	31.884 31.892 31.938	31.977 32.033 32.881	33,379		287-019	_	uu uu	33
HR 00 CL 6 SEA	EMP.	1.54 1.56 1.57	1.57 1.54 1.26	1.08 0.95 9.18	8.44			TEMP. E	11.554 11.57 10.956	8.23 -
	DEPTH T	000	100 1120 11	30 SS	<b>4</b> സ സ		υ,	DEPTH 1	0000	50
SECD1	CAST	-	нен	eee	<b>-</b>					
	5/14/61 HR 00 LAT 44-28N LONG 124-27W SDG BA 25 CL 6 AMT 8 DRY 10.5 WET 9.4 RELH( 10 DIR 25 SEA 2 DIR 21 SWL 1 DIR 31 WA 09	5/14/61 HR 00 LAT 44-28N LONG 124-27W SDG 77 WEA 06 BA 25 CL 6 AMT 8 DRY 10.5 WET 9.4 RELHU 86 VIS 7 10 DIR 25 SEA 2 DIR 21 SWL 1 DIR 31 WA 09 DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I	5/14/61 HR 00 LAT 44-28N LONG 124-27W SDG 77 WEA 06 BA 25 CL 6 AMT 8 DRY 10.5 WET 9.4 RELHU 86 VIS 7 10 DIR 25 SEA 2 DIR 21 SWL 1 DIR 31 WA 09 DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I 0 11.54 31.876 24.27 6.51 5 11.56 31.893 24.28 6.53 6 11.57 31.873 24.26 6.50	5/14/61 HR 00 LAT 44-28N LONG 124-27W SDG 77 WEA 06  BA 25 CL 6 AMT 8 DRY 10.5 WET 9.4 RELHU 86 VIS 7  10 DIR 25 SEA 2 DIR 21 SWL 1 DIR 31 WA 09  DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I  0 11.54 31.893 24.28 6.50  1 11.57 31.884 24.26 6.50  7 7 7 31.884 24.27 6.51  10 11.57 31.882 24.28 6.53  20 11.54 31.938 24.37 6.51  20 11.54 31.938 24.37 6.53	5/14/61 HR 00 LAT 44-28N LONG 124-27W SDG 77 WEA 06  BA 25 CL 6 AMT 8 DRY 10.65 WET 9.4 RELHU 86 VIS 7  10 DIR 25 SEA 2 DIR 21 SWL 1 DIR 31 WA 09  DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I  3 11.56 31.893 24.28 6.53 6 11.57 31.884 24.26 6.50 10 11.57 31.884 24.28 6.53 20 11.56 31.977 24.43 6.53 22 24.28 6.53 29 11.08 31.977 24.43 6.53 39 9.18 32.881 25.45 4.93	5/14/61 HR 000 LAT 44-28N LONG 124-27W SDG 77 WEA 06  BA 25 CL 6 AMT 8 DRY 100.5 WET 9.4 RELHU 86 VIS 7  10 DIR 25 SEA 2 DIR 21 SWL 1 DIR 31 WA 09  DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-1  3 111.57 31.884 24.27 6.51  10 11.57 31.884 24.27 6.51  10 11.57 31.884 24.27 6.51  22 11.08 31.977 24.43 6.53  23 10.95 32.033 24.50 6.43  39 9.18 32.881 25.45 4.93  45 8.44 33.379 25.96 3.61	5/14/61 HR 00 LAT 44-28N LONG 124-27W SDG 77 WEA 06 10 DIR 25 CL 6 MAT 8 DRY 10.05 WET 9.4 RELHU 86 VIS 7 10 DIR 25 SCA 2 DIR 21 SWL 1 S1 WA 09  DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I  3 11.54 31.894 24.28 6.53 6 11.57 31.884 24.27 6.51 15 11.57 31.884 24.27 6.51 20 11.57 31.987 6.53 21 10.58 31.977 24.43 6.53 22 11.08 31.977 24.43 6.53 30 10.95 32.033 24.50 4.93 39 9.18 32.81 25.45 4.93 45 8.44 33.379 25.96 3.61	5/14/61 HR 00 LAT 44-28N LONG 124-27W SDG 77 WEA 06 10 DIR 25 SEA 2 DIR 21 SWL 1 DIR 31 WA 09 10 DIR 25 SEA 2 DIR 21 SWL 1 DIR 31 WA 09 11 SA 31.8976 24.28 6.53 2 11.56 31.897 24.26 6.50 2 11.57 31.884 24.27 6.51 2 11.56 31.997 24.28 6.53 2 11.08 31.977 24.48 6.53 3 10.995 32.033 24.50 6.43 3 9.18 32.881 25.45 4.93 45 8.44 33.379 25.96 3.61  STATION 287-019 INTERPOLATED AND COMPUTED VALUES	5.14 A B B B B B B B B B B B B B B B B B B	5.14/61

		PROD-S											
		PROD-I	2.96	3.27	3.11	6.61				E(0)		0000 •••• 0000 0400	11
		۵	•20	-27	•24	• 36				OXY.	00 00 00 00 00 00 00 00 00 00 00 00 00	04.00 0.00 0.00 0.00 0.00	1.84 1.51
	WEA 51 VIS 6	NITR. CHL-	Ó	Ō	Ö	0			VALUES	GEOPOT.	0.000 0.034 0.068 0.102	0.163 0.227 0.281 0.371	0.446 0.514
	HU 99	SIL.							COMPUTED V.	SP.VOL.	336.4 337.7 336.9 334.9	279 231 200 159 4	140.7
VALUES	50W SDG 11•1 RE 31 WA 16	PHOS.							AND	SIGMA-T	24.58 24.57 24.57 24.61	25.19 25.70 26.03 26.47	26.67 26.76
3VED	LONG 124-8 11.1 WET	• XX0	6.44 6.46	000 444 400	6 4 7 7 7 7 7	6.37 5.80 4.46	3.72 3.11 2.69 2.26	1.91 1.58	INTERPOLATED	E(S) 8		0000 0000 0000	
_	-34N 25 SV	SIGMA-T	24 • 58 24 • 58	24.57 24.57 24.58	24 24 24 50 61 61 61	25.01 25.32 25.80	26.02 26.25 26.45 26.59	26.66 26.79		SAL.	32.261 32.246 32.254 32.259	12.610 13.149 13.479 13.842	3.977 -
287-020	CAT 44 6 AMT 8 1 DIR	SAL.	32,261 32,252	32.246 32.246 32.249	32.254 32.253 32.259	32.484 32.741 33.256	33.469 33.674 33.826 33.929	33.969 34.029	287-020	E(T)	<b>-</b>	00000	
STATION	HR 04 24 CL 25 SEA	TEMP.	11.47	111.48 111.47 111.45	11.45 11.45 11.34	9 • 98 9 • 36 8 • 83	8.50 8.04 7.50	6.79 6.11	STATION	TEMP.	111 • 47 111 • 47 111 • 45	0887 •••• 4044 0886	6.73 6.33
	5/14/61 BA 4 DIR	DEPTH	٥m	100	<b>0 N O</b>	64.00 000 000	99 123 147 170	194		DEPTH	3000	50 100 150	250
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		PROD~S							
		PROD-I F	2.98	۸ . در در	2.74	5•34			
	010	CHL-A	0.00	0.38	0 • 38	0.59			
	WEA 50	NI TR							
	SDG 2307 RELHU 94 1 00• 00	SIL.							
.UES	30 43	PH0S.							
OBSERVED VALUES	3 125-25 1 WET 1 DIR 18	• ××0	6.45	6.50	6.50 6.55	6.42 6.12 5.77	2008 2008 2008 2009 2009	2.00 1.00 0.67 0.67	0.46 0.96 1.74
OBSER	9-46N LONG 9 DRY 11.1	SIGMA-T	24.56	24.55	24.57 24.59	25.03 25.17 25.31	25.00 26.00 26.00 26.00 43	26.55 26.78 27.00 27.19	27.42
287-021	O AMT 9	SAL.	32.224	32.219	32,224 32,375	32.585 32.665 32.798	33.223 33.571 33.704 33.849	33.916 34.016 34.150 34.279	34.444 34.554 34.659
STATION	HR 12 25 CL ( 25 SEA	TEMP.	11.45	11.46	11.40	10.34 9.92 9.67	9.29 8.66 8.17 7.71	7 6 6 13 4 3 8 3 8	3.43 2.43 1.82
	5/14/61 BA 3 DIR	DEPTH	0	00	900 900	39 78	98 120 175 176	1966 495 7435	1043 1591 2065
	DATE SECDI WVEL	CAST	ო	Ю	ოო	ოოო	ოოოო	๓๗๗๗	ุดเกเ

	E(0)		0000	0000	0000 0000 0400	000
	• XXO	00 00 40 00 80 00		2.05 2.05 1.069 1.07	0000 •••• 0444 0800	0 0 4 0 0 0 0 0 0 0
/ALUES	GEOPOT.	0000 0000 0000 0000 0000 0000	0.164 0.233 0.295 0.396	0.478 0.550 0.617 0.742	0.858 0.966 1.067 1.161	1 • 330 1 • 475 1 • 667
OMPUTED \	SP.VOL.	338.7 338.3 38.3 38.3	281.1 271.5 227.9 177.2	150.4 136.7 130.8 119.2	1111.6 104.5 98.0 91.1	77.3 68.2 59.6
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	244 254 255 255 255 255 255 255 255 255	25.17 25.28 25.74 26.28	26.57 26.72 26.79 26.92	27.01 27.09 27.16 27.24	27.39 27.49 27.59
TERPOLA.	E(S)		0.0025 0.005 0.001 0.001	0.002 0.002 0.002 0.002	000000000000000000000000000000000000000	000000000000000000000000000000000000000
	SAL.	32.224 32.224 32.224 32.324	32.658 32.766 33.262 33.720	33.924 33.996 34.019 34.093	34.153 34.207 34.258 34.313	34 • 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
STATION 287-021	E(T)		0001	0000	0000	000
STATIO	TEMP.	11.45 11.46 11.89	9.84 9.71 9.23 8.10	7.16 6.48 6.10 5.51	0444 0188 0190 0190	2000 0000 0000
	DEPTH	9000	50 100 150	200 3000 400	500 7000 800	00000

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		PROD-S								
		PROD-1	4.64	) •	00.0	63.5	0.77		•	
	7	CHL-A	0.00	1 0	ָ נ	•	0.21			
	WEA 01	NI TR.								
	SDG 1640 RELHU 89 A 20. 05	SIL								
OES	125-10W SC WET 9.3 F DIR 27 WA 2	PHOS.								
OBSERVED VALUES	G 125-1 1 WET DIR 2	• ××o	6.64	6.65	6.64	6.54 6.51	6-29	4.88	2009 8000 8000	2.52 0.81 0.92
	LAT 45-05N LONG , AMT 6 DRY 11.1 1 DIR 31 SWL 1	SIGMA-T	24.63	24.65	24.66	24.73	25.14	25.22	26.03	
ON 287-022	MD.	SAL.	32,300	32,302	32,315	32,357 32,536	32,632	32.689	33,545	
STATION	1 HR 1 25 CL 27 SE	TEMP.	11.38	11.28	11.25	11.08	•	9.71 9.56	8.80 8.08 7.71	004 41.00 71.00
	5/14/6 BA 2 DIR	ОЕРТН	10	10		NW 4	<b>4</b> 0	100	122 146 171 195	284 476 715
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							·	PROD-S	2.66
E(0)		0.00	0000	000 0010 0010	•			PROD-I	0.74
• ××0	0000 0000 40000	6.42 6.12 3.08 8.08 8.08	20.00 1.31	0.78 0.76 0.89 0.86	0.54			CHL-A	0.13
GEOPOT.	0000 0000 0000 0000 0000	0.160 0.231 0.297					WEA 02 VIS	ប់	0
SP.VOL. ANOMALY	8881 8880 8880 8880 8880 8880 8880	288 • 2 280 • 2 242 • 0					SDG 51 RELHU		
SIGMA-T	244 244 244 244 244 244 244 244 244 244	25.10 25.19 25.59				OBSERVED VALUES	125-24W WET DIR WA		
E(S)		0.013				SERVED	ONG O		
SAL	32.290 32.302 32.315 32.357	32.608 32.658 33.140				287-022D OE	AT 44-47N L AMT DRY DIR SWL		
E(T)		0.00	0000	0001	•		ω <b>4</b>		
TEMP.	111 111 111 110 110 110 110 110 110 110	10.05 9.75 9.56 8.01	7 6 5 5 5 5 6 6	0.44 0.44 0.06 0.09 0.10	3.63	STATION	61 HR 1: A CL R 24 SE		
DEPTH	9800	.50 75 100 150	0000 0000 0000	500 700 800	1000		5/14/ B 3 · DI	рЕРТН	o
			ΣΣΣΣ				DATE SECDI WVEL		4

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INTERPOLATED AND COMPUTED VALUES

STATION 287-022

	PROD-S	13.14	17•66	6.46	•	1 • 10			
	PROD-I	1 • 90	3.14	4.28		1.00°			
റ്റമ	CHL-A	0.17	0.20	0.28	ć	0 • 0			
WEA VIS	ο α L I N	0	0	0	( :	<b>1</b>			
G 549 ELHU 9 0, 15,	SIL	œ	٢	۲	d	0			
~ ~ ~	PHOS.	0 • 65	0.63	0.73	ti C	0 • 0			
G 124- 6 WET DIR	• ××0	6.53 6.53 6.53	6 0 0 0 0 0 0 0 0 0	6.52 6.51 6.44	60.9	5.20	3,93	2.91 2.69	2.03
-58N 27 SW	SIGMA-T	224 24 24 53 61 1	22 24 26 26 26 26 26 36 36 36 36 36 36 36 36 36 36 36 36 36	24 • 78 24 • 80 24 • 86	25.17	25.50 25.86	26.06	26.48 26.58	26.76 27.00
LAT S AM	SAL.	200 000 000 000	32,314 32,311 32,336	32.414 32.423 32.438	32,578	32,939 33,305	33,500	33.843 33.906	34.002 34.141
1 HR 21 30 CL 28 SEA	TEMP.	12.02 11.95 11.50	11.43 11.38 11.26	11.01 10.94 10.66	9.45	9•16 8•71	41	-00	6.22 5.14
5/14/6 BA 2 DIR	DEPTH	om vo	N110 00100	999 808			0/4	70	296 481
DATE SECDI WVEL	CAST		ਜਜਜ	нен				เขต	ดย
	ATE 5/14/61 HR 21 LAT 44-58N LONG 124-49W SDG 549 ECDI BA 30 CL 6 AMT 2 DRY 10•6 WET 10•3 RELHU 94 VEL 2 DIR 28 SEA 1 DIR 27 SWL 1 DIR 27 WA 00•15•-	ATE 5/14/61 HR 21 LAT 44-58N LONG 124-49W SDG 549 WEA 02 ECDI BA 30 CL 6 AMT 2 DRY 10.6 WET 10.3 RELHU 94 VIS 8 VEL 2 DIR 28 SEA 1 DIR 27 SWL 1 DIR 27 WA 00. 15 AST DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-1	ATE 5/14/61 HR 21 LAT 44-58N LONG 124-49W SDG 549 WEA 02 ECDI 2 DIR 28 SEA 1 DIR 27 SWL 1 DIR 27 WA 00, 15, —  AST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I  1 3 12.02 32.304 24.53 6.53 0.65 8 0.0 0.17 1.90  1 6 11.50 32.300 24.61 6.51	AST DEPTH TEMP. SAL. SIGMA-T 0xv. PHOS. SIL. NITR. CHL-A PROD-I  1	AST DEPTH TEMP. SAL. SIGMA-T 0xy. PHOS. SIL. NITR. CHL-A PROD-I  1	AST DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I  AST DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I  AST DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I  B. S.	ATE         ST.14/61         HR.21         LAT 44-5BN LONG         124-49W         SDG. 549 WEA         WEL HU 94 WIS BELLU	AST DEPTH TEMP. SAL. SIGNAT 2 DRY 10.6 WET 10.3 RELHU 94 VIS 8  VEL. 2 DIR 28 SEA 1 DIR 27 SWL 1 DIR 27 WA 00. 15. —  AST DEPTH TEMP. SAL. SIGNAT 0 VY. PHOS. SIL. NITR. CHL-A PROD-I  1 3 12.95 32.304 24.53 6.53 0.65 8 0.0 0.17 1.90  1 10 11.43 32.314 24.64 6.55 0.63 7 0.0 0.20 3.14  1 25 11.38 32.314 24.64 6.55  1 25 10.01 32.414 24.78 6.55  1 38 10.05 32.438 24.86 6.54  1 58 9.45 32.578 25.17 6.09 0.95 8 4.3 0.26 1.53  1 122 8.42 33.500 25.50 25.50 3.93	ATE         5/14/61         HR 21         LAT 44-58N         LONG         124-49W         SDG 549         WEA 00.         15.4         WEA 00.

E(0)		0000	0.05
• XXO	6 6 6 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6.28 4.22 3.42 4.12	0000 0000 0000
GEOPOT.	0000 0000 0000 0000 0000	0.160 0.229 0.288 0.382	0000 9000 0000
SP.VOL.	342.6 332.0 327.6 316.0	294•1 255•1 214•2 163•2	1388 1386 1386 1386
SIGMA-T	00000 4444 4444 0000 0000 0000	2000 2000 2000 2000 2000 2000 2000	26.59 26.70 26.76
E(S)		0000 0000 0000 0000 0000	000
SAL.	32.306 32.306 32.336 42.36	32.490 32.877 33.333 33.833	33.909 33.973 34.006
E(T)		0000	001
TEMP.	11. 0.02. 11. 0.04. 0.01. 0.04.	9.92 9.18 8.68 7.67	0.00 0.00 0.00 0.00 0.00
DEPTH	3000	100 150 150	0000 0000 0000
	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  12.02 11.43 11.26 11.26 32.336 24.52 342.6 0.000 6.51 11.26 32.336 24.68 327.6 0.007 6.54 11.26 32.423 24.68 316.0 0.099 6.51	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  12.02 11.43 11.26 11.26 10.94 24.63 322.00 24.63 332.00 0.034 6.51 24.68 327.66 0.003 24.68 316.0 0.099 6.51 9.92 0.07 32.490 0.003 25.04 24.68 316.0 0.099 6.51 9.92 9.02 9.18 0.02 32.877 0.004 25.45 9.18 0.029 6.51 0.229 6.51 7.67 0.01 33.833 0.008 25.04 25.45 25.04 25.45 25.10 0.229 26.28

Σ ΣΣΣΣ

		PROD-S										
		PROD-I	1.60	2.51	2.•98	0 • 58				E(0)		0.00
		CHL-A P	•21	• 25 50	• 43	• 31				0XY•	66.00 40.00 70.00 70.00	64.45 64.45 64.65 64.65
	WEA 02 VIS 8	NITR. CH	0	0	0	0		( <u>!</u> •	VALUES	GEOPOT. ANOMALY	000000000000000000000000000000000000000	0.166 0.232 0.281
	DG_137 RELHU 82 06	SIL. N		·					COMPOTED V	SP.VOL.	372.9 346.4 331.7 329.5	300.7 220.1 172.4
VALUES	2W S 10 • 2 7 WA	PHOS.						(	ANC	SIGMA-T	0444 0444 0448 0448 0448	24.97 25.82 26.32
RVED	LONG 124-2 11.8 WET	• VXO .	6.00 0.00 0.00 0.00	0 0 0 0 0 0 0 0 0 0 0 0	6.00 8.00 8.00 8.00 8.00	8.09 8.99 9.99	2.19	, 4	INTERPOLATED	E(S)		0.010
0	-49N 33 SW	SIGMA-T	24.20 24.21 24.38	24 24 24 58 46 46	24.65 24.65 24.76	25.25 26.00 26.31	26.53			SAL.	11 - 838 22 - 297 12 - 309	2. 3. 4.20 4.48 3.45 8.45
287-024	B LAT 44- 1 DIR	SAL.	31.838 31.842 31.970	32.077 32.246 32.297	32,300 32,309 32,338	32.627 33.454 33.734	33,888		287-024	E(T)	നന്ന്	0.07
STATION	1 HR 02 24 CL 33 SEA	TEMP.	11.78 11.76 11.35	11.25 111.43 11.33	111.27 111.24 10.79	9 8 9 9 9 9 9	7.27		NOT I A I S	TEMP.	11.78 11.25 11.33	10.01 8.68 7.90
	5/15/61 5 DIR	DEPTH	on v	20110 205108	<u>ท</u> ผ4 ข00	9800 9800	124			DEPTH	38000	50 100
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			Λ.	4	٥	4						

		PROD-S							·
		PROD-I	2.78	2•68	2.66	1.80		E(0)	
		CHL-A F	0•12	0.12	0•16	0 • 20		• XX0	6.50 44.00 6.50 0.00
	WEA OS VIS 8	NITR. C	00	000	000	3.1	VALUES	GEOPOT.	0.000 0.042 0.081 0.119
	SDG 55 RELHU 83	SIL.	លេស	₩ <b>#</b> 4	4 W W	11	AND COMPUTED V	SP.VOL.	434.9 390.4 386.2 379.8
<u> </u>	οž	PHOS.	0.57	0 40 44 7	0.51 0.51 0.55	0.85		SIGMA-T	20044 6444 6004 6005 6105
	4 WET 10	oxy.	6.44 6.44	6.50 6.50 6.51	6.50 6.51 5.01	5.78	INTERPOLATED	E(S) S1	(4141414)
0000	44-47N LONG 6 DRY 11.4 8 36 SWL 1	SIGMA-T	23.55 23.55	23.71 24.02 24.05	24 • 06 24 • 10 24 • 13	24.58	Z I	SAL•	.159 .566 .617 .697
300-100	LAH AMT	SAL.	31 • 159 31 • 166	31•311 31•566 31•595	31.617 31.665 31.697	32.042	287-025	E(T) S	<u> </u>
, 140 FF & F 0	HR 04 4 CL 6 5 SEA	EMP.	2.45	2.24 1.62 1.56	1.58 1.57 1.54	0.52	STATION	EMP. E	2.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
U	5/15/61 BA 2 0 DIR 3	ОЕРТН Т	om 	1001	200 305 1	38 40	0)	DEPTH 1	3000
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	PROD-S									
	PROD-1							E(0)		0.00
								0XY•	6.43 6.51 6.44 6.47	5.27
A 01 IS 8	CHL-A						S	OT.	000 0041 077	173 230
Ŵ> <b>≆</b>	NI TR						VALUES	GEOPOT.	0000	0.1
SDG 122 RELHU 56	SIL						COMPUTED	SP.VOL.	424.0 377.7 347.9 336.8	277.9 184.5
124-13W SI WET 10-1 I DIR 30 WA	PHOS						AND	SIGMA-T	24.06 24.06 24.15 24.15 24.15	25•21 26•19
დო	oxy.	444 000 000 000	6.51	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 0000 0000 0000		INTERPOLATED	E(S) 3		.061
-02N LO DRY 14	SIGMA-T	3.66	24 • 15	4400 4400 4400 74400 4400	25.46 25.77 26.25 26.45			SAL.	31.208 31.727 32.002 32.217	32.707 0 33.572 0
B LAT	SAL.	20	31.727	31.933 32.002 32.153 32.217	32.273 33.168 33.636 33.844		ON 287-026	E(T)	(,,,,,,	0.19
25 CL 33 SE	TEMP.	12.04 12.04 11.98	ហ	10.94 11.000 11.27	11.10 8.62 7.81 7.46		STATIO	TEMP.	12.04 111.557 111.27	9•87 7•88
5/15/6 BA 7 DIR	DEPTH	ဝကဖ	0.	380 380 380	4121-Q 0000			DEPTH	9800	50 7.5
DATE SECDI WVEL	CAST	<b></b>		ныны	нннн					

OBSERVED VALUES

STATION 287-026

,	PROD-S	54.04									
	PROD-1	7.49						E(0)		00.00	0.00
	CHL-A P	• 36						0XX•	6.51 6.51 6.51	0.04 € € € € € € € € € € € € € € € € € € €	2.64
WEA 03	NITR. CF	0					VALUES	GEOPOT.	0.000 0.033 0.065	0.155 0.221 0.276 0.364	0.439
DG 433 RELHU 80 15, 05	SIL. N						COMPUTED V	SP.VOL. ANOMALY	325.3 324.5 318.0 308.0	278•3 246•5 195•6 156•7	145.1 134.6
S •RA	PHOS.						AND	I GMA-T	24 • 70 24 • 71 24 • 78 24 • 89	22 22 22 26 56 50 50 50 50 50 50 50 50 50 50 50 50 50	26.63
OBSERVED VALUE LONG 124-29W Y 11.2 WET 9 SWL 1 DIR 30	• XX0	44. 64. 744.	6.50 6.50 6.50 6.51 7.4	66.04 74.00 74.00	4 6 4 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2.63 1.62	INTERPOLATED	E(S) S		•025	000
7 08SEF 5-13N LOI 5 DRY 11 02 SWL	SIGMA-T	24.40 24.69 24.69	24.71 24.76 24.78 24.85	24 - 89 25 - 13 25 - 13 25 - 66	26 26 26 26 26 30 30 30 30 30 30 30 30 30 30 30 30 30	26.63 26.81	I N	SAL.	32.362 32.364 32.384 32.441	5.582 9.966 3.480	33.940 0
287-02 LAT 4 AMT	SAL.	32.362 32.354 32.356	32.364 32.378 32.387 32.425	32.441 32.557 32.629 33.098	33.490 33.669 33.907 33.903	33.942 34.028	287-027	E(T) 8	8888	0.07 32 0.02 32 33	00.0
STATION HR 13 25 CL 6 02 SEA	TEMP.	11.26 11.27 11.27	11.21 10.97 10.91 10.68	10.54 9.64 9.20 8.97	8.20 7.99 7.58 7.19	6 • 84 5 • 98	STATION	TEMP. E	11.26 11.26 10.91 10.54	9.29 9.29 9.20 7.58	6.85
5/15/61 BA 7 DIR	DEPTH	om v	2010 2005	6448 0000	124 150 175 175	201 298		DEPTH	9000	50 100 150	250
DATE SECDI WVEL	CAST	ดดด	ผพพพ	ดดดด	Ø						

		PROD-S									
		PROD-1	3.60	3•35	1.79		0.31		E(0)		0.00
		CHL-A P	•12	• 35	0 • 0 5		\		oxy.	00 0 0 •••• 04 4 4 00 0 0	5.23 2.94
	WEA 01	NITR. CH		O	<b>°</b> .			VALUES	GEOPOT.	00 00 00 00 00 00 00 00 00 00 00 00 00	0.168
	3DG 80 RELHU 82 08	SIL. N						COMPUTED V	SP.VOL. ANOMALY	341 3418 3458 345 345 345 345 345 345 345 345 345 345	265.7 179.3
ALUES	124-04W SE WET 10-1 F DIR 33 WA (	PH0S.						AND	SIGMA-T	22 24 24 24 25 26 26 26 26 26	25•33 26•25
OBSERVED VALUES	LONG 124 11.6 WE	r oxy.	6.408 6.408 6.41	000 ••• 444 WWM	0 0 0 0 0 0 0 0 0 0	4.36	2.58	INTERPOLATED	E(S)		0.051
	LAT 45-18N LC AMT 1 DRY 11 DIR 03 SWL	SIGMA-T	23.76 23.77 23.79	24 • 35 24 • 49 24 • 50	24.59 24.59 24.66	25.75	26.34		SAL.	31 • 344 31 • 968 32 • 116	32,727 ( 33,647
287-028	6 AMT 1	SAL.	31.344 31.346 31.362	31.968 32.111 32.116	32.180 32.248 32.321	33.166	33,735	287-028	E(T)	()(()(()	40.0
STATION	23 CL 6 03 SEA 2	TEMP.	12.07 12.04 12.03	11.49 11.36	110.99 10.99 9.89	8.70	7.74	STATION	TEMP.	12.07 11.49 11.93 10.99	9•17 7•91
	5/15/61 BA 4 DIR	DEPTH	<b>0</b> m0	N 1 1 0 0	864 800	53	102		DEPTH	3000 0000	50 75
	DATE SECDI WVEL	CAST				-					

		PROD-S	00.00	<b>+</b> 0 <b>•</b> 77	0.0	000	10.24		1.26
		PROD-I	, 01	9	7.1		2.56		1.17
,	NØ	CHL-A	60.0	0	<u>.</u>	n •	0.31		0.27
	WEA 02 8 VIS 8	NI TR	Ċ	N 0	<b>-</b>	•	0.3		7.00
	SDG 65 RELHU 88 A 08	SIL	7	7 <u>7</u>	40	707	<b>~</b> ·	4 9 N	11 22 35
UES	~ <u>`</u>	PHOS.	0.61	0.0	0.59	0000	0.54	0 • • • • • • •	0.07
OBSERVED VALUES	6 124-02W 2 WET 11	• YX0	6.38	6.37	6.39	6.53 6.54	į	6.82 6.82 6.56	5.69
OBSER	-34N LONG DRY 12•2 33 SWL 0	SIGMA-T	23.40	23.34	23.57	24•39 24•47		24.000 24.000 24.000 2000	25 25 13
STATION 287-029	LAT 45 1 AMT 5	SAL.	30.903	30.834	31,092	31.966 31.995	(	32.085 32.085 32.156	32.548 32.352
STATION	1 22 CL 35 SEA	TEMP.	12.20	12.21	12.06	11.30	•	10.78 10.78 10.77	9 • 56 8 • 40
	5/15/61 BA B DIR	DEРТН	00	⊃ <b>ო</b>	91	110 000	19	000	000 100
	DATE SECDI WVEL	CAST	1	1			,		<del></del>

	STATIO	STATION 287-029	.NI 620	TERPOLA	INTERPOLATED AND COMPUTED VALUES	OMPUTED V	ALUES		
DEPTH	DEPTH TEMP. E(T)	E(T)	SAL.	E(S)	E(S) SIGMA-T	SP.VOL.	GEOPOT . ANOMALY	0XY•	E(0)
0	12.20		30,903		23.40	449.3	00000	6.38	
0	11.30		31.966		24.39	355.4	0.041	6.53	
20	10.88		32,015		24.50	344.9	0.076	6.55	
30	10.77		32,156		24.63	332.9	0.110	99.99	
50	8.70	-	32,622		25,33	266.4	0.170	4.61	-

		PROD-S										
		PROD-I	1.55	1.67	4.51	•	1 • 83			E(0)		0.03
		- ∢	52	50	0.49	Č	92			0 *	6.50 6.50 6.78 6.48	5.72
	50	CHL	ò	•	0	(	•		S	OT. AL.	000 338 06	46
	WEA 03	NITR.							VALUES	GEOPOT.	0.000 0.038 0.073	0.164
	SDG 65 RELHU 88	SIL·							COMPUTED	SP VOL ANOMALY	373.4 371.9 341.6 311.8	265.1
ALUES	124-15W S WET 10•8 I DIR 28 WA	PHOS.							AND	SIGMA-T	200 200 200 200 200 200 200 200 200 200	25 • 34 25 • 86
OBSERVED VALUES	<u>م</u>	• ×× o	6.60 6.60	6.51 6.56 6.79	6.78 6.74 6.48	6.24	3.80	3.24	INTERPOLATED	E(S)		0.004
	45-34N LONG F 4 DRY 11.7 FR 32 SWL 1	SIGMA-T	24.19	24 24 24 24 40 34 34 34 34 34 34 34 34 34 34 34 34 34	24 • 53 24 • 69 24 • 85	25.15	25.50 25.95	26.21		SAL.	31 • 792 31 • 789 32 • 025 32 • 403	32.715 0
287-(	5 AMT	SAL.	31 • 792 31 • 792	31.794 31.789 31.929	32.025 32.174 32.403	32,553	32.905 33.387	33.629	V 287-030	E(T)	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	00.00
STATION	HR 00 16 CL 6 32 SEA	TEMP.	11.61	11.59 11.50 10.88	10.72 10.45 10.60	9.46	8 • 99 8 • 53	8.08	STATION	TEMP.	11.61 11.50 10.72 10.60	9.08
	5/16/61 BA 10 DIR	DEPTH	om	<b>6</b> 0 0 0	0000 000	4 4	106 106	66		DEPTH	3000	50 75
	HÖ''	<b>F</b> -										

		PROD-S									
		PR00-1	3.36	Z•83	(	2•36	1.66				
OBSERVED VALUES	124-52W SDG 860 WEA 03 WET 9.6 RELHU 88 VIS 7 DIR 27 WA 25	OXY. PHOS. SIL. NITR. CHL-A	6.48	6.59	6.55	6.53 6.47	0.07	6.04 5.04	. 10 . 10 . 00 . 00 . 00 . 00 . 00 . 00	3-01 2-58	2.16 1.03 0.34
	LAT 45-27N LONG AMT 8 DRY 10.6 2 DIR 34 SWL 1	SIGMA-T	24.73	24.73	24.82	24.88 24.94		25.26 25.56 25.58		26.38 26.55	26.73
ON 287-031	ທີ່	SAL	32,415	32,411	32.444	32.492 32.517	,	32.683 33.057	33.448 33.663	33.792 33.918	33,981 34,122
STATION	HR 0 18 CL 34 SE	TEMP.	11.30	11,31	10.96	10.78	ſ	9.42 9.00 0.00	4.	7.78	004 004 004 004
	5/16/61 BA 9 DIR	ОЕРТН	10	~ O		700 004	4 II	800 800 800 800 800 800 800 800 800 800	109	155 178	268 453
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	FCO		0	.0.0.0 .0.02	0.01	70.0	90.0	0 0 0 0 0	
	XXO	66 40 40 80 40 60	6.50	6.38 5.64	4 3 0 0 0	2,39	2.17	1 • 96 1 • 34	0 8 8 8
/ALUES	GEOPOT.	0000	960•0	0.222	0.283 0.380	0 • 459	0.529	0.721	0.836
OMPUTED \	SP.VOL.	322.1 321.7 311.3	305.3	262.1	171.0	144.2	135.9	119.6	109.2
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	24 • 73 24 • 74 24 • 85	24.92	200 200 200 200 200	26.35	26.64	26.73	26.91	27.03
TERPOLA	E(S)	000	200.0	000	0.002	0.021	0000	00000	
	SAL.	32.415 32.415 32.4415	32.620	32.810	33.768	33,965	34.0000	34.080	34.159 34.230
150-162 NOTICES	E(T)	000	0.01	0 0 0 0 0 0	0.01	0.00	0.02	0.03	!!!
7	TEMP.	111000100010000000000000000000000000000	9.83	9•36 8•81	7.86	6.92	6.07	5.47	4 • 99 • 55 • 55
	DEPTH	0000 0000	10	1005	150	200 200	300	<b>1</b> 0	800 800

		PROD-S	9.22							
		PROD-I	0.90	•	0 7	000	0.23			
	47	CHL-A	0.40		Ċ	• • •	0.15			
	WEA VIS	NI TR	0.0	0•0	0.0	00.1	2 5 10 10 10	11.0 15.1 17.7	21.2 25.6 32.6 29.1	31.4
	SDG 2486 RELHU 99 1 12, 07	SIL	ທ	9	9	7.5	111	3359 3359 3359	49 74 111 103	158
-UES	0,3	PHOS.	0.61	0.64	0.68	0.73	0.81 1.00 1.39	1.053 1.084 2.09	200 200 201 201 201 201 201 201 201 201	2.95 3.10
VED VAI	G 125-34W 0 WET 9	oxx.	6.43	6.45	6.57	6.50	67. 47. 67. 66. 66.	8888 8888 8888 8888 8888 8888 8888 8888 8888	00°880 0°380 0°38	1.87
OBSERVED VALUES	15-27N LONG 9 DRY 10.0 7 35 SWL 1	SIGMA-T	24.58	24.56	24.69	24 • 84 24 • 94	25.15 25.36 25.69	2000 2000 2000 2000 2000 2000 2000 200	26.75 27.01 27.20 27.42	27.61
	O AMT	SAL.	32,285	32 • 255	32,337	32.471 32.519	32.639 32.835 33.202	33.556 33.724 33.836 33.912	34.005 34.135 34.280 34.435	34.560 34.628
STATION	HR 11 18 CL 35 SEA	TEMP.	11.57	11.57	11.20	10.94	9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8.66 7.62 7.29	004 m 0004 0004 0004	2.35 1.83
	5/16/61 20 BA 8 DIR	DEPTH	00	90		764 700	0000 4000	122 149 173 198	3000 7493 1043	1592 2066
	DATE SECDI WVEL	CAST	Ŋ	α	ď	นณ	พพพ	นผนน	пппп	

	E(0)		0000	0.00	0.02	000
	• *×0	64 64 64 60 60 60 60	3.40 3.40 3.61 3.61	2.00 2.00 1.00 1.00 1.00 1.00 1.00 1.00	0000 0000 0000 0400	0.35 0.48 0.81 1.72
VALUES	GEOPOT.	0000 0000 0000 0000 0000	0.160 0.230 0.293 0.393	0.477 0.551 0.619 0.747	0.864 0.971 1.072 1.167	1 • 336 1 • 482 1 • 672 1 • 941
COMPUTED	SP.VOL. ANOMALY	336 338.7 3126.5	293.2 268.5 231.1	152 141 134 121 121	1111 • 6 104 • 2 97 • 8 91 • 2	77 8 68 2 58 8 48 6
AND	SIGMA-T	2222 244 244 265 265 265 486 486	25.05 25.31 25.71 26.28	26.55 26.55 26.75 90	27.01 27.09 27.17 27.24	27.39 27.49 27.59
INTERPOLATED	E(S)		0000	0.001 0.014 0.002	000	0000
	SAL.	32.285 32.255 32.337 32.471	32.571 32.784 33.219 33.720	33.916 33.982 34.005	34.135 34.197 34.255 34.313	34.415 34.484 34.548 34.621
N 287-032	E(T)		0000	0.00	000 ••• 400 401	000
STATION	TEMP.	111.57 111.57 110.94	10.20 9.60 9.24 8.11	7.27 6.73 5.28 5.56	0444 0744 00741	6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	DEPTH	9000	50 75 100 150	0000 0000 0000	500 700 800	1000 1200 2000

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		PROD-S														
		PROD-1	2.64	7.08		4 • 78	1.76	•								
	96	CHL-A	0.38	0 4 9	ć	0 90 90	60.0	0								
	3 WEA 06	NI TR														
	SDG 1463 RELHU 93 A 35, 00	SIL														
LUES	125-02W SD WET 9.7 R DIR 27 WA 3	PHOS.														
OBSERVED VALUES	6 125- 6 WET DIR	• XX0	6.46	6.50	6.72	6.76 6.26		6.04	5.70 4.96	3,91	3,38	3.00	2.48	1 • 1 4	0.37	
	-44N LONG DRY 10•6 35 SWL 1	SIGMA-T	24•69	24.69	24.75	24.81 25.07		25.18	25.53	25.93	26.21	26•26 26•36	26.61	26.91	27.35	
ON 287-033	LAT 45 S AMT 8 2 DIR	SAL.	32,389	32,392	32.412	32.438 32.617		32.689	32.816 33.104	33,492	33,675	33.714 33.800	33,954	34.074	34.402	
STATION	HR 1 16 CL 12 SE	TEMP.	11.44	11.44	11.18	10.99 10.28		0.0	9.85 9.81	-	m (	8 7 98 98	0	ก• • 4 เก๋	0 00	
	5/16/61 BA 6 DIR	DEPTH	10	10		36.4 000			1000			175	m	4 0 0 0 0	- co	
	DATE SECDI WVEL	CAST	ผ	2	2	ดเด		N)	NN	a	N ·	- Z			<b>.</b>	

								PROD-S	13.06 2.16 0.00
E(0)		0.05	0000	0011				PROD-1	1.17 1.68 1.71 0.50
0XY•	6.46 6.50 6.72 6.72	6.09 5.09 3.98 3.38	2.75 2.35 1.92 1.15	0.00 0.00 0.00 0.00 0.00 0.00				CHL-A	00.00 00
GEOPOT.	000000000000000000000000000000000000000	0.157 0.227 0.292 0.400	0.486 0.562 0.631 0.757	0.872 0.978 1.075 1.165			WEA VIS	NITR. C	000 0 000 0 0040
SP.VOL. ANOMALY	326.4 326.4 320.7 315.7	282 273 248 184 5	159.9 143.3 122.6 120.0	109 101 93 86 3	,		igi HO	SIL. N	10 10
SIGMA-T	24.69 24.69 24.15 24.81	200 200 200 200 200 200 200 200 200 200	26.47 26.65 26.17 26.91	27.03 27.12 27.21 27.29		VALUES	TOZW SD	PH0S.	0000 0000 0000 0000 0000
E(S)		0.018	0.005 0.005 0.017 0.001	00		SERVED V	LONG 125 WE L DIR		
SAL.	32.389 32.392 32.412 32.412	32.673 32.774 33.104 33.675	33.878 33.973 34.027 34.074	34.142 34.209 34.277 34.343		90	45-44N L T DRY IR SWL		
E(T)		00 • • 0 00 00	0000	0011		ON 287-033A	9 LAT A DD		
TEMP.	111 444 110 999	10 9 9 9 8 32	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	444 9000 7000 7000 7000		STATIO	1 HR 1 16 CL 36 SE		
DEPTH	9000	50 100 150	2000 4000 0000 0000	500 700 800			5/16/61 15 BA 6 DIR	DEPTH	04001
			ΣΣΣΣ				DATE SECDI WVEL		
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INTERPOLATED AND COMPUTED VALUES

STATION 287-033

		PROD-S										
		PROD-I	•	2 • 39	8.28	1 • 84				E(0)		0.03
		CHL-A PI	•23	• 56	• 64	• 22				ox¥.	00.00 00.00 00.00 00.00	5.84 3.39
	WEA 01 VIS 7	NITR. CH		ŏ		ŏ			VALUES	GEOPOT.	0.000 0.000 0.089 0.120	0.178 0.242 0.292
	DG 1957 RELHU 94 07	SIL							COMPUTED V	SP.VOL. ANOMALY	533. 452.0 324.2 302.1	282.3 226.7 176.8
VALUES	124-33W SD WET 10.6 R DIR 22 WA 0	PH0S.							A O O	SIGMA-T	22.52 23.37 24.71 24.95	25.16 25.75 26.28
RVED	S.d. O.d.	• YX0	6.50		6.48 6.65 6.73	6.38 6.10	00000 0000 0000 0000	2.58	INTERPOLATĘD	E(S) (		0.017
	-45N DRY 35 SV	SIGMA-T	22.52 22.51		22.51 23.37 24.20	24.71 24.82 24.95	25.07 25.29 25.91 26.28	26.53		SAL.	29•716 30•635 32•169 32•359	2.542 3.176 3.711
287-034	LAT 45 6 AMT 8 2 DIR	SAL.	29.716 29.708		29.707 30.635 31.538	32.169 32.249 32.359	32.460 32.683 33.349 33.711	33,882	1 287-034	E(T)	((()()()	0.03 0.01 3
STATION	HR 21 16 CL 36 SEA	TEMP.	12.00		12.00 11.19 10.45	10•31 10•06 9•79	9 9 9 9 9 9 9 9 9	7.23	STATION	TEMP.	12.00 11.19 10.31 9.79	9.36 8.76 8.03
	5/16/61 24 DIR	DEPTH	oπ	ហ	100 155 165	00000 00000	4 8 8 0 0 0 0 0	125		DEPTH	3000	50 75 100
	DATE SECDI WVEL	CAST					нннн	п				

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		PROD-S	1													
		PROD-I	4.02	3.09		5.09		1.28						E(0)		0.00
		CHL-A	0 • 32	0.30		0 • 50		0•39						0X.	60000 40000 40000	4 0 0 0 4 0 0 2 4 0
	WEA 05	NITR. C		,									VALUES	GEOPOT.	0.000 0.044 0.079 0.110	0.163 0.219 0.264
	DG 146 RELHU 90 05	SIL											COMPUTED V	SP.VOL.	476.4 391.5 319.1 283.1	249.8 197.3 162.8
LUES	% % % % % A W	PHOS											AND	SIGMA-T	23 12 24 01 24 77 25 15	5.50 5.50 5.43
ED VA	124-19 WET 1 DIR	ox¥.	6.46		6.46 6.59	•61	6.24 5.86	•78	• 28	·67	•17		LATEC		WWWW	ดด
OBSERVED VALUES	LONG 10.9 L 0	۲	NO			5		5			NN.		INTERPOLATED	E(S)		0.000
	5-46N LONG 3 DRY 10.9 36 SWL 0	SIGMA	23.1		23•11 24•01	24.5	24•77 25•02	25.1	25.32	25.7(	26.43		Z	SAL.	30.477 31.441 32.168 32.532	32.912 33.476 33.816
287-035	6 AMT 8	SAL.	30.477		30.467 31.441	31.954	32.168 32.405	32,532	32.720	33.116	33.816		287-035	(T)	กักคัก	00 00 10 00 10 00 00 00 00 00 00 00 00 0
NO I I	HR 01 CL 6 SEA	₫.	995 94		95 14	31	98 59	39	N)	90	90		z	<b>.</b> Ш	0 - 0 0 0 4 0 0	ოთთ
STATI	1 15 36	ΤΕM	111		11.	10.	00	6	•	<b>x</b> a	•		STATIO	TEM	111000	780
	5/17/6 BA 10 DIR	DEPTH	OM <	t	901		0 W W		4,0					DEPTH	3000	50 100
	DATE SECDI WVEL	CAST	~~			<b>.</b>	e- e-	1	٦,		•⊶					

		PROD-S									
		PROD-I	2.02	1.72	7.42	•	1 • 1		E(0)	000	0.03
		CHL-A P	• 30	• 30	1•13	i	0 • 31		0XY•	6.27 6.65 6.38 6.01	4.73
	WEA OZ	NITR. CH	Ó	•	1	(	Ö	LUES	GEOPOT.	0.000 0.0040 0.073 0.02	0.153 0.206
	94	SIL. NI						AND COMPUTED VALUES	SP.VOL. GANOMALY A	429.9 354.2 309.4 275.7	236•3 181•1
S.	SDG 7 •6 RELHU WA 16	PHOS. S						ND COMP	+		•64 8 •23 1
OBSERVED VALUES	124-05W WET 10 DIR	0XY• P	•27 •42	6.34 6.65 6.61	4 40 4 40	•57	15		SIGMA	23.60 24.40 0 24.87 3 25.23	25
BSERVE	ဖ္ခ၀		99		48 400 000 000	37 5	83 28 3	INTERPOLATED	E(S)	0000	600•0
	45-47N LON- - 8 DRY 114 R 36 SWL C	SIGMA-T	3 23.60 5 23.61	200 200 200 200 200 200 200 200 200 200	4 00 4 00	1 25.	2 25.83		SAL	31.113 31.865 32.310 32.621	33.066 33.645
287-0	5 LAT S AMT	SAL.	31.11	31.134 31.865 32.085	32.275 32.444 32.599	32,771	33.272 33.686	V 287-036	E(T)	0000	0.02
STATION	HR 04 15 CL 6 35 SEA	TEMP.	11.98 11.96	11.95 10.78 10.43	10.07 9.86 9.38	9.14	8.70	STATION	TEMP.	111.98 10.78 10.03	8 89 8 02
	5/17/61 BA 8 DIR	DEPTH	om	<b>9</b> 04	0040 040	38	39 77		DEPTH	9000	50 75
	DATE SECDI WVEL	CAST				1					

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		PROD-S									
		PROD-I	5.71	8.32	0.89				E(0)		00 • • 44
		۵	•60	.27	• 36				• XX0	00 00 00 00 00 00 00 00 00 00 00 00 00	4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	WEA 02	rR. CHL-	0 0	Ň	Ö			VALUES	GEOPOT.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.163 0.215 0.258
	39 87	IL. NITR							P.VOL. GI	579.0 387.0 301.5 277.1	993 991 991 991
	SDG 13 •1 RELHU WA 05	HOS. S.						AND COMPUTED	A-T ANO	2004 2004 2007 2009 2009 2009	68 22 11 47
OBSERVED VALUES	124-23W WET 10	•	44 W4	44 500 70 7	64 36 26	63 74 49	21		SIGM	00 0 0 04 4 0	000 000 000
SERVED	100 NG	-T 0XY	4ω •••	φ φ φ φ	95 14 21 51	44 7 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	52 2.	INTERPOLATED	E(S)		0.010
	5-57N L 9 DRY 1 35 SWL	SIGMA	22.0 22.0	000 000 000	ช ช ช ช ช ช	0000 0000 0000	26.6		SAL	29 107 31 491 32 342 32 631	33.103 33.629 33.838
287-037	LAT 45	SAL.	29.107	30.636 31.491 32.029	32,342 32,560 32,631	32.899 33.288 33.725 33.838	33.934	287-037	E(T)		0.01
STATION	HR 08 16 CL 35 SEA	TEMP.	12.03	11.50 11.09 9.86	9 • 68 9 • 60 9 • 48	9.16 8.56 7.48 4.28	6.85	STATION	TEMP.	112.03 11.09 9.68 9.48	8.87 7.96 7.42
	5/17/61 BA 7 DIR	DEPTH	om in	100 100 100 100	9999 9999	40 00 00 00	125		DEPTH	380 0000	50 100
	DATE SECDI WVEL	CAST		ннн		ਜਜਜਜ	1				

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		PROD-S	33.04										
	5/17/61 HR 11 LAT 45-58N LONG 124-05W SDG 75 WEA 50 BA 16 CL 0 AMT 9 DRY 10•1 WET 10•1 RELHU 99 VIS 7 6 DIR 00 SEA 2 DIR 36 SWL 0 DIR WA 04	PROD-I	3.45	3.40		2.17					E(0)		•
STATION 287-038 OBSERVED VALUES		CHL-A F	0.30	0.42		0 • 70					• XXO	0000 0000 0000 0000	4.71
		NITR. O	00	00	0.0	00 00	0.5	9•3 17•8		VALUES	GEOPOT.	0.000 0.0046 0.0846 0.118	0.173
		SIL	<b>ν</b> 8	ហមា	4	ผต	Ŋ	11 26		COMPUTED	SP.VOL.	490.5 414.2 350.9	233.1
		PHOS.	00 44 44	0.24	0.29	0000	0.45	1.01 1.53		AND	SIGMA-T	22.97 23.77 24.43 24.74	25.68
		• ×× o	6.34 4.00	6.35 6.43	6.48	6.54 6.47	6.43	5.56 3.87	INTERPOLATED	E(S) S		-	
		SIGMA-T	22.97 22.97	22.96	24.28	24.43	24.74	25•31 25•86		SAL.	30,309 31,263 31,959 32,202	3.032 -	
		SAL.	30 309	30.306 31.263	31,810	31.959 32.091	32.202	32.673 33.278		STATION 287-038	E(T)	<u> </u>	
		TEMP.	12.00 12.00 12.00	12.06 11.70	11.21	10.99	10.32	9 • 09 8 • 54			TEMP.	12.05 11.70 10.99	8.50
		ОЕРТН	<b>O</b> W 4	11300		9880 9750		4 <b>0</b> 0 0			DEPTH	0000	50
	DATE SECDI WVEL	CAST					7						

18.68 23.84 24.49

24.771 31.187 31.875

12.11 10.95 10.29

200 800 800

	PROD-S							
	PROD-I	14.64	11.91	6.72				E(0)
	CHL-A	96.0	06.0	0.60				• 0XX
WEA 02	NI TR.	0.2	0.1	00	1 2 6 1 6		VALUES	GEOPOT.
SDG 29 RELHU 94 A 04	SIL	45	21	14	6 11 14		INTERPOLATED AND COMPUTED VALUES	SP.VOL. ANOMALY
124-04W SC WET 10.3 R DIR 32 WA O	PHOS.	0.35	0.30	0.47	0.45 0.75 0.96		AND CC	SIGMA-T
16 124-0 8 WET DIR 3	• ×× 0	6.45	6.36	6.15 6.09	50 50 50 50 50 50 50 50 50 50 50 50 50 5		POLATED	E(S) SI
.07N LON DRY 10.	SIGMA-T	18.68	21.30	22.88 23.84	24 • 15 24 • 49 24 • 94		INTER	SAL. E
16 LAT 46-07N LONG CL 0 AMT 8 DRY 10.8 SEA 2 DIR 34 SWL 1	SAL.	24.771	28.089	30.003 31.187	31.521 31.875 32.325		10N 287-039	E(T) 8
17 36	TEMP.	12.11	11.78	111•21 10•95	10.68 10.29 9.68		STATION	TEMP. E
5/17/61 BA 6 DIR	DEPTH	00	иm	1100	202 202			DEPTH
DATE SECDI WVEL	CAST	-	<b>.</b>					
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OBSERVED VALUES

STATION 287-039

		PROD-S	118.34	•	17.78	99•0											
		PROD-I	9.42	•	9.27	2.23								E(0)			0.00
		CHL-A F	1.92	•	1 • 09	0.38								0××	6.64	0 6 5 1	5.82 2.90 1.68
	WEA OZ VIS 6	NITR. C	0.0	•	0.2	0 • 0							VALUES	GEOPOT.	00000	0.181	0 • 246 0 • 304 0 • 343
	DG 110 RELHU 88 05	SIL.	76	2	42	σ							COMPUTED V	SP.VOL. ANOMALY	1162.7	358.5	284 • 1 179 • 9 132 • 8
STATION 287-040 OBSERVED VALUES	8W 8	PHOS	900	•	0.62	0.54							AND	SIGMA-T	15.98 21.12	24.36	25.14 26.24 26.74
	LONG 124-1 12.3 WET /L 1 DIR 3	• YX0	6.64	6.63	•	6.17		6.44 6.51	2	ເນ 60 80	10		INTERPOLATED	E(S) 9			.028 .035
	-04N 34 SW	SIGMA-T	15.98	15.97	6.6	21.12	23.84	24.46 24.36	4.8	25.48	6.7			SAL.	21.368	1.745	32.524 0 33.597 0 33.995
	CAT 4 O AMT 2 DIR	SAL	21,368	21,350	•17	27.845	31.240	• •	2.20	32.845	66°E		287-040	E(T)	aar	ŋ (r)	mm mm mm mm mm mm mm mm mm mm mm mm mm
	HR 19 18 CL 34 SEA	TEMP.	12.58	12.56	2	11.71			6	8 • 8 4 7 • 30	) M		STATION	TEMP.	12.58	0.4	9.39 7.68 6.33
	5/17/61 BA 8 DIR	DEPTH	00	um	n o	101	15	38 30		900				DEPTH	000	300	50 75 100
	DATE SECDI WVEL	CAST		, <b>-</b>						<b>-</b> -	ı , <b>ı</b>						

		PROD-S													
		PROD-1	20 • 01	•	10.30	2.12							E(0)	00	0.08
		Α-	69.	06.	•61	•20							0XY.	666 666 666 666 666 666 666 666 666 66	0 4 c
	WEA 01	NITR. CHL	00	0	0	0						VALUES	GEOPOT.	0.000 0.000 0.106 0.143	0.212
	SDG 148 RELHU 94 15	SIL. N										COMPUTED V	SP.VOL.	983.83383.383.2383.2383.2383.2383.2383.2	328.6 245.8
VALUES	3 WA	PH0S.										AND	SIGMA-T	17.83 24.09 24.24 24.32	24.67 25.55
	VG 124-33 • 6 WET 1 1 DIR 32	0XY•	6.68	6.64	6.16	V	0000 0000 0000 1000	<b>.</b>	004E 004E 0000	1.84		INTERPOLATED	E(S) S	•001 •002	0.006
OBSERVED	-05N LONG DRY 11•6 35 SWL 1	SIGMA-T	17.83	26,34	23.77	t	444 444 040 040	•	24.52 25.83 25.64 26.18	26.67	ı	E Z	SAL.	23.736 31.490 31.706 31.773	32.178 0 32.991 0
287-041	LAT 46 AMT 7 DIR	SAL.	23,736	34,733	31.113	•	31.634 31.698 31.730	31.0	31.946 32.383 33.064 33.583	33,955	:	287-041	E(T) (	0.00 0.00 0.00 0.00	0.00
STATION	HR 22 18 CL 0 31 SEA 2	TEMP.	12.42	12.34	11.01	•	100 000 000 000 000 000	0	10 • 44 10 • 63 8 • 92 8 • 05	6.58		STATION	TEMP. E	10.942 10.95 10.95 00.95	10.59 C
	5/17/61 BA B DIR	DEPTH	00	um	9 2	20	4040		39 58 77 79	121			DEPTH	9000 3000	1 2 2 3 3 3 3
	TE CD1 EL	ST	1	1		4		<b>-</b>		-					

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		PROD-S						
		PROD-I	1 • 18 2 • 31	0.50				
	9r.	CHL-A	00 • 50 • 50 • 60	0 • 39 0 • 18				
	WEA OZ O VIS 7	NI TR.						
	SDG 1481 RELHU 90 1 41, 25	SIL						
LUES	125-00W SD WET 10.3 R DIR 29 WA 4	PHOS.						
OBSERVED VALUES	G 125-0 1 WET DIR 3	• ××0	6.44	6.48 6.12	00000 00000	3.07	3.02	
	-04N LONG DRY 11.1	S1GMA-T	22.46	24 • 58 24 • 82	2000 2000 2000 2004 2000	200 200 200 200 200 200 200	26.50 26.60 26.81 27.03	, to
ON 287-042	LAT 46 5 AMT 7 2 DIR	SAL.	29.664	32.246 32.448	32.496 32.549 32.632 32.769	33.266 33.582 33.797 33.799	33.857 33.934 34.021 34.141	700
STATION	17 C 35 S	TEMP.	12.09	11.44 10.96	10 • 55 10 • 12 9 • 42 8 • 81	8.94 7.73 7.68	7. 2.00 4.00 4.00 5.00 5.00	00
	5/18/61 BA 1 DIR	DEPTH	on	0.00	7537 724 72	1133 133 136	159 199 334 521	750
	DATE SECDI WVEL	CAST	N	พพ	ดดดด	บน <b>~</b> บ	<b>U</b>	-

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	STATIO	STATION 287-042		TERPOLA	INTERPOLATED AND COMPUTED VALUES	OMPUTED V	/ALUES		
DEPTH	TEMP.	E(T)	SAL.	E(S)	SIGMA-T	SP.VOL.	GEOPOT.	0XY•	E(0)
0000	112 100 100 100 100 100 100	000	29.0664 32.0331 32.465 314	0.037 0.005 0.005	24.00 24.00 24.00 24.00 20 20 20 20 20 20 20 20 20 20 20 20 2	538 329 311 300 5	00.00 00.00 00.00 00.00 00.00	00 00 00 00 00 00 00 00	00000
50 1000 150	9.56 8.83 7.41	0000	32.613 32.842 33.417 33.840	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.18 25.48 25.94 26.94	280.1 252.4 208.7 158.6	0.165 0.231 0.289 0.381	0004 000 000 000 000	0000
0000 0000	9666 9669 9669	0000	33.935 33.983 34.012 34.063	0000 0000 0000 0000 0001	26.60 26.69 26.17 26.89	147.3 139.2 132.7 121.7	0.457 0.529 0.597 0.724		
7600 7000 000	044 000 1000 1000	0 1 1	34.127 34.196 34.268	000000	27.00 27.11 27.20	111.8 102.6 94.0	0.841 0.948 1.046		

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		PROD-S	06•09				
		PROD-I					
	44 3 1 • 25	CHL-A	0.26				
	WEA VIS	NI TO	000	0048 ••••	18.7 20.3 21.2 23.5	332 346 0.00 0.00	34.5
	DG 2400 RELHU 95 09, 09, (	SIL	W4 0	2010 100 100	331 76 84	64 104 118 174	189
.UES	±1 8 A S	PH0S.	0.52 0.47 0.67	0000 0000 0000 0000 0000	11. 0.00 0.00 0.00 0.00 0.00 0.00 0.00	2.37 2.62 2.90 2.68	2.72
OBSERVED VALUES	G 125-44W 3 WET 9	• YX0	000 440 001	66.50 6.50 6.50 6.50 6.50	4.037 3.062 3.14 2.16	0000 0000 0000	1.68
	46-21N LONG 8 DRY 9.3 R 35 SWL 1	SIGMA-T	24 • 85 24 • 84 24 • 85	25.01 25.11 25.23 25.38	200 200 200 200 200 200 200 200 200 200	26.76 27.05 27.23 27.60	27.70
287-043	O AMT	SAL.	32.521 32.506 32.503	32.538 32.590 32.599 32.699	33.345 33.632 33.753	34.008 34.161 34.286 34.546	34.616
STATION	HR 16 18 CL 35 SEA	TEMP.	111.08 111.08 110.05	10.23 9.93 9.20 8.63	8.20 7.99 7.91 7.52	600 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.88
	5/18/61 BA 8 DIR	DEPTH	2000 8000	W400 0000	99 123 149 174	288 520 739 1526	1990
	DATE SECDI WVEL	CAST	ุขพพ	ุนพทพ	NN W 4	H	ທ

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	٠								PROD-S	23.86 23.14 5.32 0.00
	E(0)		mm00 0000 0000	0000 •••• •000 •000	0000	0.06			PROD-1	2000 0400 0800
	0XY•	0000 4400 0010	6.64 6.27 4.51 3.12	2.50 2.11 1.83 1.18	0000 0040 0440 0000	0.33 0.47 0.87			۷ -	.35 .24 .12
VALUES	GEOPOT.	0000	0.151 0.219 0.278 0.373	0.453 0.525 0.592 0.716	0.830 0.935 1.032 1.123	1.288 1.433 1.625		WEA 28 VIS	ITR. CHL	0000
COMPUTED V	SP.VOL.	310.5 311.8 311.7 295.8	281 • 3 267 • 4 204 • 7 172 • 2	149•1 137•1 131•0 118•0	108.9 101.0 93.9 87.8	77.2 68.5 59.0		SDG RELHU	SIL. NI	1000
AND	GMA-T	44 4 • • • • • • • • • • • • • • • • • •	5.17 5.32 6.38 3.4	6.58 6.72 6.78 6.93	7.03 7.12 7.20 7.27	7.39 7.49 7.59	UE S	33W SDG WA	PHOS.	0.76 0.76 0.93 0.95
INTERPOLATED	(S) SI	นพพพ	0008 2 0003 2 0000 2	021 026 001 2001 2005	0000 0000 0000 0001	0004 2 0005 2 0001 2	WED VALUE	125- WET DIR		
INTER	آ •	5503 5303 538 538 538 538 538 538 538 538 538 53	598 0. 627 0. 365 0.	943 0.008 0.018 0.092	209 0. 265 0. 315 0.	398 0.467 0.541 0.	OBSERVED	-18N LONG DRY SWL		
287-043	SAL	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	~~~ ~~~ ~~~ ~~~ ~~~	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0000 4444	000 444	287-043A	T 46-1 MT DIR		
ON 287	E(T)		0000	0000	0000	000	ON 287.	0 A		
STATIO	TEMP.	111 111 100 100 100 100 100	9.57 8.76 8.19 7.90	7.17 6.58 6.11 5.41	4448 9000 4401	2.00 2.00 2.00 2.00 3.00 3.00 3.00 3.00	STATIO	1 HR 1 18 CL 33 SE		
	DEPTH	9000	50 75 150	0000 0000 0000	500 700 800	1000 1200 1500		5/18/61 22 BA 9 DIR	DEPTH	00.00.00
			ΣΣ	ΣΣΣΣ	ΣΣΣΣ	ΣΣΣ		DATE SECDI WVEL		

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		PROD-S		•	•										
		PROD-I	2.93	3.20	(	60 • N	1.40								
	സന	CHL-A	0.19	0.623	Ġ	0.36	0.42								
	WEA 45	NITR.													
	SDG 1646 RELHU 99 1 24, 10	SIL													
UES	125-09W SD WET 10.8 RI DIR 40 WA 2	PHOS.													
OBSERVED VALUES	3 125-0 3 WET DIR 4	oxx.	6.54	6.53	69.9	6.62	41.4	5.71	4.95	3.88	3,60	2.56	1.83	000   	0.85
	LAT 46-18N LONG AMT 9 DRY 10.8	SIGMA-T	24.81	24.81	24.84	24•86 25•09	75.21	25.47	25.76	26.24	26.37	26.53	26.88	27•19 27•39	27.59
287-044	LAT 46. AMT 9	SAL.	32,529	32,518	32,518	32.515 32.640	32.680	32.841	33.160	33,631	33.766	33.900	34.144	34.283 34.417	34.552
STATION 28	17 CL 36 SEA	TEMP.	11.34	11.30	11.16	11.03	7	8.89	•	6	7.70	90	-	040 040 010	2.55
	5/19/61 BA 9 DIR	DEPTH	00	100		900	ວດ ນ	66	7	123	148 170	177	- ហាផ	676 949 949	1600
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	E(0)	00	0000	0000	0000	
	• XX0	0000 0000 0000 4000	00.00 00.00 00.00 00.00	2.12 1.78 1.60 1.01	0000 0440 0100	00 00 00 04 00 00 00 00
/ALUES	GEOPOT.	00 00 00 00 00 00 00 00 00 00 00 00 00	0.153 0.221 0.281 0.379	0.524 0.524 0.585 0.694	0.793 0.888 0.982 1.071	1.233
AND COMPUTED VALUES	SP.VOL.	314.3 312.3 308.7	280.6 258.9 224.3 167.7	143.5 126.0 115.6 102.5	96.1 93.8 93.1 86.8	75.1 67.0
TED AND C	SIGMA-T	24 881 24 881 24 881 88	25.18 25.41 25.78 26.38	26.64 26.83 27.09	27.17 27.20 27.21 27.21	27.41 27.50
INTERPOLATED	E(S)	0.003	0.017 0.001 0.003 0.003	0.032 0.018 0.020 0.061	0.067 0.001 0.003	1 1 1
	SAL.	32.529 32.518 32.518	32.672 32.798 33.182 33.777	34.018 34.131 34.183 34.272	34.316 34.314 34.396 34.345	34.437 34.499
STATION 287-044	E(T)	0.02	00000	0000	0000	
STATIO	TEMP.	111.34 111.36 110.96	9.09 9.09 8.60 8.60	7 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4444 @RUWO @BWG	60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	DEPTH	3000	100 100 150	0000 0000	8 4 8 9 9 9 9 9 9 9	1200

		PROD-S		,			٠							
		PROD-I	3.07	6	+ 0 P	ć	0.01					E(0)		000
		CHL-A F	0.21	,	0	6	1 • 69					0XY•	6.44 6.44 6.44 6.44 6.44	9.5 9.0 9.0 9.0 9.0 8.0 8.0 8.0 8.0
	WEA OI VIS 6	NITR. C									VALUES	GEOPOT.	0.000 0.053 0.097 0.130	0.190 0.256 0.310 0.394
	SDG 502 RELHU 91	SIL.									COMPUTED \	SP.VOL.	3188 3488 328.0	275-7 249-1 182-4 156-1
40	124-36W SD WET 11.7 R DIR 36 WA 1	PHOS.									AND	SIGMA-T	222. 222. 24. 24. 24. 24.	25 25 25 25 25 25 25 25 25 25 25 25 25 2
OBSERVED V	1 DIR	• YXO .	6.33	6.40 6.40	6.70	6.66 6.78	6.28	5.00 5.00 5.10 5.10	2.00	)	INTERPOLATED	E(S)		0001 0001 7401
	6-14N LONG 0 DRY 12.5 36 SWL 1	SIGMA-T	22.47 22.44 84.8	22.48	24.08	24.46 24.59	24.74	2000 2000 2000 2000 2000 2000	26.50 26.50 26.50			SAL.	29,785 30,005 31,912 32,112	32.581 32.881 33.646
287-04	X AMT &	SAL.	29•785 29•786	29.799	31,551	31.912 32.003	32.112	32,467 32,597 32,950 33,616	33.789 33.856 33.914		1 287-045	E(T)	((()))	0001
STATION	HR 05	TEMP.	12.53	12.54 12.37	11.19	10.66	68•6	9.39 9.39 9.199	7.58 7.31 6.99	}	STATION	TEMP.	12.55 10.66 9.89	9.05 8.09 7.29
	5/19/61 BA 7 DIR	DEPTH	<b>O</b> W 4	905		000		39 79 98	123 148 176	•		DEPTH	9000	50 100 150
	DATE SECDI WVEL	CAST			-					1				

STATION 287-046 OBSERVED VALUES  SECOND 124-17N LONG 124-21W A RELHU 94 VIS 7  SECOND 124-17N LONG 124-21W A RELHU 94 VIS 7  CAST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL—A PROD-1 IS 10.88 31.743 24.74 6.47  1			PROD-S						,					
TE 5/19/61 HR 08 LAT 46-17N LONG 124-21W A RELHU 94 VIS 7  CDL 9 01R 36 SEL 3 01R 36 SWL 12 01R 36 WA 712-2 WET 11 A RELHU 94 VIS 7  ST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHC-A  1 0 12.21 29-692 22.46 6.47  1 16 12.21 29-718 22.48 6.47  1 16 12.21 29-718 22.48 6.47  1 16 12.21 29-718 22.48 6.47  1 16 12.22 33.743 24.29 6.72  1 20 10.42 31.959 24.53 6.75  1 20 0.042 33.948 26.64 1.86  1 150 8.89 32.255 5.80  1 160 8.89 32.255 5.80  1 160 8.89 32.255 5.80  1 160 8.89 32.265 5.80  1 160 8.89 32.265 5.80  1 160 8.89 32.265 5.80  1 160 8.89 32.265 5.80  1 160 8.89 32.265 5.80  1 160 8.89 32.265 5.80  1 160 8.89 32.265 5.80  1 160 8.89 32.265 5.80  1 160 8.89 32.265 5.80  1 160 8.80 34.024 26.84 1.86  1 175 5.85 34.024 26.84 1.86  1 175 5.85 34.024 26.84 1.52  1 175 5.85 34.024 26.84 1.55  1 175 5.85 34.024 26.84 1.55  1 175 5.85 34.024 26.84 1.55  1 175 5.85 34.024 26.84 1.55  1 175 5.85 34.024 26.84 1.55  1 175 5.85 34.024 26.84 1.55  1 175 5.85 34.024 26.84 1.55  2 10.42 26.84 1.55  2 2 4.94 22.85 34.024 26.84 1.55  2 2 4.94 22.85 3.85  2 2 2 4.94 22.85 3.85  2 2 2 2 4.94 22.85  2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				95	4	•	•	•				E(0)		00
TE 5/19/61 HR OB LAT 46-17N LONG 124-21W RELHU 94 VIS 7  ED 18 36 SEA 3 DIR 36 SUL 1 1:0.7 RELHU 94 VIS 7  ET DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CH  3 12-21 29-692 22-46 6-47  1 12 10-85 31-1959 24-53 6-75  1 12 5 9-49 32-286 24-78 6-11  1 12 5 6-88 34-024 26-85 1-47  1 12 6 5-88 34-042 26-84 1-86  1 15 6-86 33-948 26-84 1-86  1 15 6 5-88 34-042 26-84 1-86  1 15 6 5-88 34-042 26-84 1-86  1 15 6 5-88 34-042 26-84 1-86  1 15 6 5-88 34-042 26-84 1-86  1 15 6 5-88 34-042 26-84 1-86  1 15 6 6-80 33-948 26-64 1-86  1 15 6 6-80 33-948 26-64 1-86  1 15 6 6-80 33-948 26-84 1-86  1 15 6 6-80 33-948 26-84 1-86  1 15 6 6-80 33-948 26-84 1-86  1 15 7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			٥	3			7,4	2			-	• ××0	6.47 6.47 6.70 6.00 6.00	5.37 3.75 1.86
ED 19761 HR OB LAT 46-17N LONG 124-21W SPG 219 ED 19		A O I S	•				c				ALUES	SEOPOT.	0.000 0.049 0.087 0.119	0.175 0.234 0.279
STATION 287-046 OBSERVED VALUES  EL 5/19/61 HR OB LAT 46-17N LONG 124-21W A 0  EL 9 DIR 36 SEA 3 DIR 36 SWL 1 DIR 36 WA 0  ST DEPTH TEMP. SAL. SIGMA-T OXY. PHOS.  1		94	I.										538 4284 341 302 9	255.8 217.7 142.4
STATION 287-046 OBSERVED VARIETIES OBSERVED VARIETIES OF SEA 3 DIR 36 SEA 3 DIR 36 SWL 1 2 2 1 24 1 25 1 29 692 SE 22 46 6 47 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	UES.	% 7 % WA									AND	<del> -</del>	00000 0000 0000 0000 0000	200 A
STATION 287-046  TE 5/19/61 HR 08 LAT 46-17N  CD1 9 DIR 36 SEA 3 DIR 36 SEA  ST DEPTH TEMP. SAL. SIGN  1 0 12.21 29.692 22.  1 0 12.21 29.692 22.  1 10 12.21 29.73 32.285 24.  1 10 10.85 31.743 24.  20 10.42 31.959 24.  20 10.42 31.959 24.  1 20 10.42 31.959 24.  1 20 10.42 31.959 24.  1 20 10.42 31.959 24.  2 20 10.42 31.959 24.  1 25 9.73 32.285 25.  1 10 12.21 29.693 22.285 25.  1 15 0 8.89 32.983 25.  1 125 6.07 34.024 26.  1 155 5.85 34.024 26.  1 175 5.85 34.024 26.  1 175 5.85 34.024 26.  1 175 5.85 34.024 26.  2 10 12.21 29.693 32.285  3 10 13.67 31.11.  5 8.91 0.06 32.85  3 33.948  5 8.91 0.06 32.85  5 8.91 0.06 32.85  5 8.91 0.06 32.85  5 8.91 0.06 33.82		0.4	• YX0	6.47 6.47	6.48 6.70	6.72	6.75	 89	5.80 4.73 1.86	1 4 t	RPOLATE	(8)		.013
STATION 287-046  TE 5/19/61 HR OB LAT 46  EL 9 DIR 36 SEA 3 DIR 7  ST DEPTH TEMP. SAL.  1 0 12.21 29.692  1 10 12.21 29.707  1 10 11.67 31.959  22 10.42 31.959  1 20 10.42 31.959  22 9.73 32.285  1 20 10.42 31.959  22 9.73 32.285  1 25 9.73 32.285  1 25 9.73 32.285  1 25 9.73 32.285  1 15 9.692  1 15 9.692  1 15 10.85 31.959  1 15 5 9.49 32.893  1 125 6.07 34.031  1 125 6.07 34.024  1 15 5 5.85 34.042  1 15 6 9.49  5 88 91 0.06  5 88 91 0.06  5 88 91 0.06  5 88 91 0.06	OBSE	-17N LOI DRY 12 36 SWL	SIGMA-T	44	<b>U</b> D	4.2	<b>₹</b>	4.9	ວ ໙໙໙	0 0 0 0	INTE	۸L	9.692 1.116 1.959 2.285	808 272 948
STATION  TE 5/19/61 HR OB 6	287-046	LAT 46 AMT O	SAL.	00	9.71	1 • 74	7	2•12 2•28	32.595 32.983 33.379 33.948	34.031 34.024 34.042	287-046	(£)	พักคทั	900
ST DEPTH  ST DEP	STATION	HR O SE SE	EMP	20	2.2	₩.	4	1.4	0040		-	EMP.	N-00 N044	63
HOH W	U,	/19/61 BA DIR	ЕРТН		<b>v</b> o		80	988 988		<b>450</b>		EPT		SILO
		EOE FOE	AS			-			el el el el					

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6.18 6.29 5.36

812.7 409.8 327.3

25.866 31.233 32.136

11.64 11.31 10.35

900

	PROD-S	250.40					
	PROD-I	28•21 12•10	10.17				E(0)
	CHL-A F	3•54 1•31	0.91				• oxv•
WEA 02	NITR.					VALUES	GEOPOT.
SDG 42 RELHU 90 A 04	SIL					INTERPOLATED AND COMPUTED VALUES	SP.VOL. ANOMALY
124-12W SE WET 12.7 F DIR 27 WA (	PHOS.					D AND CO	SIGMA-T
NG 124- 4 WET 1 DIR	oxy.	6.18	6.34	5.36		RPOLATE	E(S) S
LAT 46-14N LONG AMT 0 DRY 13.4 DIR 36 SWL 1	SIGMA-T	19•61 21•78	23.56 23.82	23.94 24.68 25.14		INTE	SAL.
LAT 46-1 AMT 0 1	SAL.	25.866 28.686	30.935 31.233	31.379 32.136 32.542		ON 287-047	E(T) 8
HR 13 12 CL 35 SEA	TEMP.	11.64	11.44	11.22 10.35 9.48		STATION	TEMP. E
5/19/61 BA 1 1 DIR	DEPTH 1	o⊶e	4.000	200 200 11		-,	DEPTH 1
DATE SECDI WVEL	CAST						
		0 ~	a a				

OBSERVED VALUES

STATION 287-047

		PROD-S									
		PROD-I	25•38 32•43	11.90		2•72			E(0)		-
		CHL-A P	1.06	0.65		0•46			0XX	66.00 40.00 74.00 74.00	3.71
	WEA 02 VIS 7	NITR. CH	. 0	0	1	0		'ALUES	GEOPOT.	0.000 0.0045 0.003 0.117	0.170
	SDG 71 RELHU 76 1 08	SIL						MPUTED V	SP.VOL.	452.7 428.1 349.7 316.1	218.9
\_UES	124-16W SE WET 13.1 F DIR 31 WA C	PHOS.		·				INTERPOLATED AND COMPUTED VALUES	SIGMA-T	2000 2004 2004 2004 2000 2000	25.83
OBSERVED VALUES	LONG 124- 15.6 WEI	• YX0 .	6 • 48 6 • 55	6.52	6.47	6.24 5.94	5.04 2.15	RPOLATE	E(S)		
	LAT 46-23N LO AMT 0 DRY 15 DIR 36 SWL	SIGMA-T	23.40	23 23 62 62	24.45	24.67 24.80	25.25 26.45		SAL.	30.821 31.001 31.862 32.185	33.198 -
287-048	N	SAL.	30.821 30.810	30.804	31.862	32.073 32.185	32.636 33.798	287-048	E(T)	(10)(10)	6
STATION	13 CL 03 SEA	TEMP.	12.05 11.81	C	10.48	10•15 9•86	9.27	STATION	TEMP.	12.05 11.38 10.48 9.86	8.37
	5/19/61 BA 4 DIR	DEPTH	OW4	400M	50 7	หลอ 4 ชิ 0	94 06 06		DEPTH	9000	50
	DATE SECDI WVEL	CAST									

		PROD-S		22.18
		PROD-I	99,000	13.13
	0			1.17
	WEA 00 VIS	PHOS. SIL. NITR. CHL-A	000	0 W
	SDG RELHU WA	SIL	17	<del>,</del> 6
ION 287-048A OBSERVED VALUES	R 19 LAT 46-26N LONG 124-25W SD CL AMT DRY WET R SEA DIR SWL DIR WA	• SOHG	00.00	000000000000000000000000000000000000000
STATION	DATE 5/19/61 HR 19 SECDI 8 BA 12 CL WVEL 5 DIR 32 SEA	ОЕРТН		22

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		PROD-S								
		PROD-I			•			E(0)		0.13
								• XX0	6.00 8.00 8.00 8.00 8.00 8.00 8.00 9.00 9	0.00 0.00 0.44 0.44
	WEA 02 VIS 7	NITR. CHL-A					VALUES	GEOPOT. ANOMALY	0.000 0.0045 0.078 0.107	0.159 0.214 0.257
	SDG 154 W RELHU 94 06	SIL. NI					COMPUTED VA	SP.VOL. GANOMALY A	532.7 364.9 295.2 277.0	245•2 189•7 158•2
.UES	8 ×	PHOS.					AND	SIGMA-T A	22 - 53 25 - 53 25 - 02 25 - 21	25.55 26.14 26.47
OBSERVED VALUES	46 124-30V	• XXO	6.51 6.52 6.91	0.00 0.00 0.00 0.00 0.00 0.00 0.00	04 60 04 00 00 04 00 04 00 04	2.16	INTERPOLATED	E(S) S		900 800 800
	16-26N LONG 0 DRY 13.3 2 30 SWL 1	SIGMA-T	2000 2000 2000 2000 2000	24.78 25.02 25.16 25.21	25 25 26 26 26 26 27 26 47	26.64		SAL.	29.869 31.624 32.371 32.553	32.882 0 33.542 0 33.848
287-049	LAT 4 AMT	SAL.	29.869 29.862 30.284 31.624	32.129 32.371 32.552 32.553	32.591 33.235 33.618 33.848	33,953	287-049	E(T)	((*) (*) (*)	000
STATION	HR 22 12 CL 36 SEA	TEMP.	12.60 12.58 11.79	9.41 9.09 9.09	88.75 7.96 7.436	6.86	STATION	TEMP.	00.00 00.00 00.00 00.00	8.56 8.08 7.43
	5/19/61 BA 6 DIR	DEPTH	00.00	3080 3080	440 000 000 000	125		DEPTH	3800	50 75 100
	DATE SECDI WVEL	CAST	<del></del>		लस लस	-				

	PROD-S									
	PROD-I	5.01	J •	3•30	3.47					
0r	CHL-A	0.44		0.49	0.62					
WEA VI	Z I Z	0.0	0•0	0	2•0	5.0	15.2 23.1	27.7	31.5 32.5	ພພ44 ພພ64 ວິທິພິດ ວິທິພິດ
G 1225 ELHU 9 0• 33	SIL	15	14	10	œ	111	26 38	47	522	67 127 127
2× 12* ¥	PHOS.	0.43	0.46	0.69	0.78	1.02	1 • 69 2 • 13	•	• • •	20.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
124-	• YX0	6.41	6.42	~	•	6.43 0.00	5.15 3.92	3.14	20.0	0.91 0.91
-27N LONG DRY 13+	SIGMA-T	22.28	22.41	24.68	24.96	25.17 25.30	25.66 26.08	26.34	000 000 000 000 000 000 000 000 000	26.74 26.99 27.23
P LA	SAL.	29.645	29,778	N	N	32.534 32.621	33.004 33.491	33,764	33.906 33.927	34 002 34 114 34 292
12 CL 36 SEA	TEMP.	13.00	12.86	Ō	9.6	NØ	4-	•	• • •	6.33 4.02 6.02 6.02
5/20/61 BA 9 DIR	DEPTH	O	n <b>co</b>	15	30	60 40	71 84			268 446 688 1000
DATE SECDI WVEL	CAST	8	7	N	0	ผผ	ุนณ	N	นดด	
	TE 5/20/61 HR 02 LAT 46-27N LONG 124-52W SDG 1225 CDI BA 12 CL 2 AMT 8 DRY 13.4 WET 12.8 RELHU 93 EL 9 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20.33	TE 5/20/61 HR 02 LAT 46-27N LONG 124-52W SDG 1225 WEA 02 CDI BA 12 CL 2 AMT 8 DRY 13.4 WET 12.8 RELHU 93 VIS 7 EL 9 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 33 ST DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I	TE 5/20/61 HR 02 LAT 46-27N LONG 124-52W SDG 1225 WEA 02 CD1 BA 12 CL 2 AMT 8 DRY 13.4 WET 12.8 RELHU 93 VIS 7 EL 9 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 33 ST DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A PROD-I 2 0 13.00 29.645 22.28 6.41 0.43 15 0.0 0.44 5.53	TE 5/20/61 HR 02 LAT 46-27N LONG 124-52W SDG 1225 WEA 02 CD1 BA 12 CL 2 AMT 8 DRY 13.4 WET 12.8 RELHU 93 VIS 7 EL 9 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20, 33 ST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I  2 0 13.00 29.645 22.28 6.41 0.43 15 0.0 0.44 5.51 2 8 12.86 29.778 22.41 6.42 0.46 14 0.0	TE 5/20/61 HR 02 LAT 46-27N LONG 124-52W SDG 1225 WEA 02  CD1 BA 12 CL 2 AMT 8 DRY 13.4 WET 12.8 RELHU 93 VIS 7  EL 9 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20, 33  ST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I  2 0 13.00 29.645 22.28 6.41 0.43 15 0.0 0.44 5.51  2 8 12.86 29.778 22.41 6.42 0.46 14 0.0  2 15 10.90 32.254 24.68 6.75 0.69 10 0.0	TE 5/20/61 HR 02 LAT 46-27N LONG 124-52W SDG 12253 WEA 02 EL 9 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20, 33  ST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I  2 0 13.00 29.645 22.28 6.41 0.43 15 0.0 0.44 5.51  2 8 12.86 29.778 22.41 6.42 0.46 14 0.0  2 17 10.90 32.254 24.68 6.75 0.69 10 0.0  2 25 9.89 32.392 24.96 6.62 0.78 8 2.0	TE 5/20/61 HR 02 LAT 46-27N LONG 124-52W SDG 12253 WEA 02 EL 9 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20, 33  ST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I  2 0 13.00 29.645 22.28 6.41 0.43 15 0.0 0.44 5.51  2 15 10.90 32.254 24.68 6.75 0.69 10 0.0  2 25 9.89 32.352 24.96 6.62 0.78 8.20 0.62 3.47  2 34 9.26 32.534 25.17 6.43 1.02 11 5.0  5 50 8.85 32.621 25.30 6.20 1.12 15 7.9	EL 9 DIR 36 SEA 2 DIR 36 SWL 0 DIR WET 12.8 RELHU 93 WIS 7  EL 9 DIR 36 SEA 2 DIR 36 SWL 0 DIR WET 12.8 RELHU 93 VIS 7  EL 9 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 33  EL 0 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 33  EL 0 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 33  EL 0 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 33  EL 0 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 33  EL 0 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 33  EL 0 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 33  EL 0 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 34  EL 0 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 34  EL 0 DIR 36 SEA 2 DIR 36 SWL 0 DIR WA 20. 34  EL 0 DIR 36 SWL 0 DIR WA 20. 34  EL 0 DIR 36 SWL 0 DIR WA 20. 34  EL 0 DIR 36 SWL 0 DIR WA 20. 34  EL 0 DIR 36 SWL 0 DIR WA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR 36 SWL 0 DIR MA 20. 34  EL 0 DIR MA 20. 34  EL 0 DIR MA 20. 34  EL 0	TE 5/20/61 HR 02 LAT 46-27N LONG 124-52W BRELHU 93 VIS 7 EL 9 DIR 36 SEA 2 DIR 36 SWL 0 DIR WET 12.8 RELHU 93 VIS 7 ST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A PROD-I 2 5 8 12.86 29.778 22.28 6.41 0.43 15 0.0 0.44 3.72 2 17 10.90 32.254 24.68 6.75 0.69 10 0.0 2 2 2 3 4 9.26 32.534 25.17 6.42 0.78 8 2.0 2 3 4 9.26 32.621 25.30 6.20 11.15 7.9 2 3 4 8.85 32.621 25.30 6.20 11.15 7.9 2 10.9 7.91 33.764 25.34 25.13 3.14 2.45 2.13 38 23.11	EDIT         STOOKSI         HR OC SEA         LONS         124-52W         NGT 12-52W         NGT 12-52W <t< td=""></t<>

	E(0)	00000	000 000 401	0000 0000 4 W W W	0001	!
	• Xo	6.51 6.50 6.73 6.51	04 % % % % % % % % % % % % % % % % % % %	1.90 1.78 1.60	0000  0000 0000 0000	0.29
VALUES	GEOPOT.	0000 0000 0000 0000 0000 0000	0.179 0.240 0.290 0.372	0.447 0.517 0.583 0.707	0.819 0.921 1.015 1.102	1.263
COMPUTED V	SP . VOL . ANOMALY	556.4 496.7 308.0 288.0	268.7 222.6 174.9 154.4	143.5 136.2 129.6 117.2	106.6 97.7 90.3 84.3	76.7
AND	SIGMA-T	22.00 22.00 24.00 20.00 20.00	25.00 25.00 25.00 26.00 56.00	26.64 26.72 26.80 26.94	27.06 27.16 27.24 27.31	27.40
INTERPOLATED	E(S)	0.142 0.075 0.002	0.015 0.026 0.001	0000	0001	
	SAL	29.645 30.328 32.470 32.476	32.621 33.156 33.727 33.898	33.949 33.991 34.026 34.088	34.157 34.233 34.303 34.355	34.419
N 287-050	E(T)	000	000	0000	0011	.
STATION	TEMP.	00.00 0444 0444	8.85 8.38 7.99	6.78 6.41 6.04 5.31	44.47 74.40 9.13 7.80 7.80	3.49
	DEPTH	0000	50 100 150	0000 0000 0000	500 700 800	1000

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		PROD-S											
		PROD-I	3.46	† • †		2/•1	0.48						
	502	CHL-A	00 • 4 40 40	0 0	ć	0.31	0.19						
	WEA VIS	NITR.											
	SDG 1900 RELHU 94 A 35, 18	SIL			•								
-UES	ωž	PHOS.											
OBSERVED VALUES	4 WET 10.3 DIR 32	• • • •	6.44	6.44	6.47	6.66 6.66		5.85 4.66	3.10	2.61	2.12	0.04	'n
OBSEF	LAT 46-33N LONG AMT 0 DRY 11.4 3 DIR 32 SWL 3	SIGMA-T	24.59	24.58	24.65	24•97 25•01		25•35 25•76 26•14	W 4	26.51 26.57	26.67	27.33	73 60
287-051		SAL.	32.295	32.290	32,345	32.531 32.546		32.721 33.173 33.575	33.761	33,902	33.970	34 • 19 / 34 • 369	709 40
STATION	1 HR 07 15 CL 35 SEA	TEMP.	11.57	11.59	11.45	10.45		9.06 8.68 8.26	• •	7.44	5.70	01.	0 7 0
	5/20/61 BA 15 DIR	DEPTH	00	100		389 389	54	57 93 93	-4	163 187	394	981 981	900
	DATE SECDI WVEL	CAST	N	N	N	ดด		ดดด	NN	เดด	<b></b>	<b></b>	•
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	STATION	N 287-051		INTERPOLATED	AND	COMPUTED \	VALUES		
ОЕРТН	TEMP.	E(T)	SAL	E(S)	SIGMA-T	SP.VOL.	GEOPOT.	0XY	E(0)
	111.57 111.59 110.42	00	32.280 32.280 32.365 3.535	0 0 0 0 0 0 0 0 3	0.00 0.00 0.00 0.00 0.00 0.00 0.00	335.6 336.5 327.1 299.1	0000 0000 0000 0000 0000	6.44 444 6.44 7.64	00 00 10
	9 53 8 69 7 58	0000 0000 00110	32.629 33.146 33.659	0000	25.70 25.70 26.74 26.72	278.4 227.9 182.3 159.9	0.220 0.220 0.271 0.356	6.4 4.7 7.7 7.0 7.0 7.0	0000
	7.01 6.49 6.14 7.67	0000	33.937 33.986 34.015 34.053	0000 •••• 0000 1400	26.60 26.71 26.78 26.87	147.4 137.6 131.6 124.1	00.000 00.000 00.000 00.000 00.000	2.30 1.99 1.73 1.29	0000
	0.15 0.45 0.05 0.05 0.05 0.05	0000	34.119 34.180 34.258 34.322	0000 0000	26.98 27.09 27.19	114.0 104.3 95.6 87.9	0.819 0.928 1.028 1.120	0000 44.00 74.00	0000
	3.40 2.95		34.425		27.41	75•3 66•5	1 • 283	0.31	• •

		PROD-S				
		PROD-I				
	۵۲ <i>-</i>	CHL-A				
	WEA 02	NITR.				
	SDG 1283 RELHU 94 1 05• 03	SIL				
-UES	43	PH0S.				
OBSERVED VALUES	4G 125-00W B WET 10	• XXO	6.28 6.72 6.61 6.55	0104 m •••• 0 m m 0 m m	0000 000 0400	1.72 0.75 0.34
	-37N LONG DRY 11.8 32 SWL	SIGMA-T	21.95 24.47 24.81 25.12	26.95 26.95	26.40 26.49 26.57 26.53	26.79 27.03 27.29
287-052	LAT 46-37N AMT 9 DR 3 DIR 32	SAL.	29.190 32.069 32.322 32.524	32.587 32.960 33.392 33.642	33.822 33.877 33.920 33.951	34.015 34.151 34.344
STATION	1 HR 11 16 CL 33 SEA	TEMP.	12.87 11.29 10.46 9.50	0 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	7.80 7.45 7.13 6.88	3.94 9.93 9.94
	5/20/6 BA 6 DIR	рертн	9000	4 8 8 9 0 0 0 9	124 152 176 201	297 495 444
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7	300-/03 NOT HIS		ב ב ב ב ב ב ב ב ב ב ב ב ב ב ב ב ב ב ב	INTERPOLATED AND COMPOLED VALOES		V ALOES		
	TEMP. E(T)	SAL.	E(S)	SIGMA-T	SP.VOL.	GEOPOT A	• XXO	E(0)
	112-87 110-29 10-46 9-50	29.180 32.069 32.322 32.524		21.95 24.47 24.81 25.12	587.7 347.7 315.3 285.4	0.000 0.0047 0.080 0.110	6.28 6.72 6.61 6.55	
E) WITH CH	9.04 0.03 8.66 0.001 7.47 0.00	3 32 749 1 33 289 33 655 33 876	0.001 0.007 0.000 0.002	25.37 25.85 26.21 26.49	262•1 216•8 183•7 157•5	0.165 0.225 0.275 0.360	5.88 3.39 2.35 7.05	0000
uler () er	89 44 00 00 04 00 00 00 00 00 00 00 00 00	33.940 33.989 34.017 34.084	0000 •••• 0000 0400	26.63 26.72 26.79 26.92	144.8 136.7 130.2 118.6	0.436 0.506 0.573 0.698	2.05 1.81 1.70 1.21	0000 •••• 0000 0004
ω <b>4</b> C		- 34 155 - 34 229		27.04 27.04 27.15	108•4 98•6	0 • 811 0 • 914	0.43 0.47	

		PROD-S	44.30											
		PROD-I	4.76	2.80	4.87	1,03	•				E(0)		0.06	
			56	53	06	16	;				• XXO	6 6 6 7 6 7 6 7 7 7 8 7 8 8 8 8 8 8 8 8	4.61 3.50 2.71 1.92	
	WEA 02 VIS 7	NITR. CHL-A	•	•	•	ć				VALUES	GEOPOT. ANOMALY	0.000 0.061 0.109 0.143	0.199 0.254 0.300 0.379	
	SDG 183 RELHU 82 00	SIL								COMPUTED V	SP.VOL. ANOMALY	640.5 979.0 363.6 314.3	246.7 197.0 169.9 146.1	
/ALUES	124-36W S WET 10.6 DIR 34 WA	• PHOS•	mæ	<b>m.</b> 00	N II O	را د	mφ	-៤៧	ın.	AND	SIGMA-T	200 200 200 200 200 200 200 200 200	25.53 26.06 26.35 26.61	
OBSERVED VALUES	2.2 WE	≻×0	6.49	6.4 6.4 6.7 6.7	6.76 6.61 6.12	5.15	3.28	<b>₽</b>	Φ.	INTERPOLATED	E(S)		0000	
	6-35N LONG 9 DRY 12.2 33 SWL 1	SIGMA-T	21.40	22.05 23.04 48.04	24. 24. 200 4. 200 8. 8. 8. 8.	25.24	25•76 26•14	989	26•7		SAL.	28.496 29.225 31.681 32.152	32.912 33.476 33.759 33.934	
287-053	LAT 4 AMT 2 DIR	SAL.	28.496 28.501	28.692 29.225 31.229	31.681 31.844 32.152	32,589	33.163 33.557	33.759 33.897 33.934	4	287-053	E(T)		mo 00 ••	
STATION	HR 14 21 CL 33 SEA	TEMP.	12.96 12.97	12.97 12.52 11.15	10.51 10.11 9.59	9.10	8.62 8.14	7.80 7.17 6.95	<b>e</b>	STATION	TEMP.	10.596 10.552 10.51 9.59	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
	5/20/61 BA 4 DIR	DEPTH	om	<b>a</b> 011	300	44	800	1250	_		DEPTH	9000	50 100 150	
•	DATE SECDI WVEL	CAST				1			-					
			Δ.	Λ.	Δ.	_	r							

		PROD-S									
		PROD-1	12.17	11.67	1	17.64	(	3.18			
	N	CHL-A	0.45	0.59		1 • 00		0.36			
	WEA 02	α τ Ι Ζ									
	SDG 82 RELHU 88 1 05	SIL									
UES	124-24W SD WET 10.6 R DIR 34 WA 0	PH0S.									
OBSERVED VALUES	124-2 6 WET DIR 3	• XX0	6.4 6.4 6.4		6.55 6.52	6.47	6.42 6.38	5,92	5.94	•	
OBSER	LAT 46-34N LONG AMT 9 DRY 11.6 3 DIR 33 SWL 1	SIGMA-T	21.79		22.52 23.43	24.17	24•39 24•51	24.77	25.23		
287-054	.,	SAL.	28.923 28.975		29.703 30.755	31,551	31.794	32.143	32.565		
STATION	1 HR 16 22 CL 33 SEA	TEMP.	12.62 12.56		11.96	10.70	10.53	98•6	9.01 8.62		
	5/20/61 BA 3 DIR	DEPTH	<b>o</b> m ∢	<b>†</b>	901		000	96 00	4 0		
	DATE SECDI WVEL	CAST		•		-					

STATION 287-054 INTERPOLATED AND COMPUTED VALUES

E(0)		1
• XXO	66 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	5.23
GEOPOT.	000000000000000000000000000000000000000	0.183
SP.VOL. ANOMALY	602 4466 355 3195 50	241.8
SIGMA-T	21.79 23.43 24.39	25.59
E(S)		
SAL.	28.923 30.755 31.794 32.143	32,934
E(T)		•
TEMP.	12.62 11.37 10.53 9.86	8.60
DEPTH	3000	50

		PROD-S					
		PROD-1	50.96	•	10.04		7.38
	01 <b>-</b>	CHL-A	1.67	9		0	0.64
	WEA O	PHOS. SIL. NITR. CHL-A					
	6 31 ELHU 8 3	SIL					
UES	10W SD 10•8 R 30 WA 0	PH0S.					
OBSERVED VALUES	124-1 WET	oxx.	6.44	6.35	6.17	6.20 5.97	
OBSER	17 LAT 46-32N LONG 124-10W SDG 31 WEA 02 L. AMT 9 DRY 12.2 WET 10.8 RELHU 85 VIS 7 EA 3 DIR 30 WA 03	SAL. SIGMA-T OXY.	22.78	23.55	24.17	24 • 45 24 • 65	
STATION 287-055	LAT 46- AMT 9	SAL.	30,133	30,995	31,506	31.815 32.023	
STATION	H 22	TEMP.	12.35	11.74	10.50	10.23	
	5/20/61 BA 3 DIR	DEPTH	00	พพ	vo	100 100 100	16
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	E(0)	
	• • •	6.44 6.20
/ALUES	GEOPOT.	0.000
OMPUTED \	SP.VOL.	508 349.0
INTERPOLATED AND COMPUTED VALUES	E(S) SIGMA-T	22 • 78 24 • 45
TERPOLA	E(S)	
	SAL.	30.133 31.815
STATION 287-055	E(T)	
STATIO	TEMP. E(T)	12.35 10.23
	DEPTH	00

		PROD-S	104 • 70	06.40	•	000	0.52					
		PROD-I	10.42	>	•	• • • • • • • • • • • • • • • • • • • •	11.11				E(0)	
		CHL-A	1.90		ļ	•	1.50				• xxo	00000 0000 0000 0000
	WEA 03	NITR.	40	•	'n	•				/ALUES	GEOPOT.	000 000 000 000 000 000 000 000 000 00
	SDG 40 RELHU 82	SIL	929	77	¥-	0				MPUTED \	SP.VOL.	486.2 429.3 381.0 319.9
LUES	124-14W SP WET 10.6 RI DIR 30 WA 0	PHOS.	0.75	0		•				INTERPOLATED AND COMPUTED VALUES	SIGMA-T	23.01 23.61 24.12 24.12
OBSERVED VALUES	G 124- 3 WET DIR	• XXO	6.41	6.39	6.29	6.16 6.04	9,00	າຕ ຕ ອີດ ອີດ ອີດ ອີດ ອີດ ອີດ		POLATE	E(S) S	
	LAT 46-43N LONG AMT 8 DRY 12.3 DIR 28 SWL 1	SIGMA-T	23.01	23.06	23,38	23.61 23.85	24.12	24.60 24.76		INTER	SAL. E	30 • 351 30 • 948 31 • 485 32 • 123
287-056	O AMT 46	SAL.	30,351	30,385	30,735	30.978 31.208	31.485	32.123		287-056	E(T)	<b>คีคี ค</b> ี คี
STATION	20 CL (28 SEA	TEMP.	11.98	11.89	11.58	11.35	9	9.96		STATION	TEMP. E	111 • 98 110 • 98 10 • 69 9 • 81
	5/20/61 BA 4 DIR	DEPTH	00	1m	νoα	100	16	300			DEPTH	38000
	DATE SECDI WVEL	CAST			1		-					

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		PROD-S					
		PROD-I	11.48	1.6.4.1	12,92	7.58	
	ar	CHL-A	1 • 71	0	1.95	1.83	
	WEA O	PHOS. SIL. NITR. CHL-A					
	% 37 ELHU 8 IS	SIL					
200	6W SD 11.1 R	PH0S.					
V	G 124-1 4 WET DIR 3	• ××0	6.40	6.40	-	6.18	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
SIALION ZO/~US/ UBSERVED VALVES	: 22 LAT 46-54N LONG 124-16W SDG 37 WEA 02 CL AMT 8 DRY 12.4 WET 11.1 RELHU 88 VIS 7 SEA 2 DIR 30 SWL 1 DIR 31 WA 05	SAL. SIGMA-T OXY.	23,36	23,37	c	10057	
100-107	LAT 46 AMT 8 2 DIR	SAL	30.767	30.774	0	006.00	
201 - 4 - 0	30 30	TEMP.	11.86	11.79	•	10.70	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
	5/20/61 BA 4 DIR	DEPTH	O٠	⊣ რ	ហ	100	1000
	DATE SECDI WVEL	CAST	-	1	•		
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	0XY• E(0)	
	ox¥.	6.10 0.10 0.10
ALUES	SP.VOL. GEOPOT. ANOMALY ANOMALY	00000
	SP.VOL.	453.4 0.000
SIALION 287-05/ INTERPORATED AND COMPOTED VALUES	E(S) SIGMA-T	23,36
FRECLA	E(S)	
N.	DEPTH TEMP. E(T) SAL.	30.767
0-182 N	E(T)	
01 4 10	TEMP.	11.86 10.70 9.50
	DEPTH	000

	PROD-S									
	PROD-1	1.44	1.73	1.00	1.23				E(0)	
	CHL-A	0.24	0.46	0 • 44	0.37				• oxv	2000 A C C C C C C C C C C C C C C C C C
WEA 02	NITR.	00	000	004 000				VALUES	GEOPOT.	
SDG 40 RELHU 82 A 05	SIL	119	468	1.84				AND COMPUTED VALUES	SP.VOL.	420.9 367.3 307.9
124-22W SE WET 10.6 F DIR 32 WA (	PHOS.	0 • 4 • 4 • 4	0.41 0.47 0.51	0.60 0.76 1.05				ED AND C	SIGMA-T	23.70 24.26 24.89
	- OXY	6.59	6.59 6.59 6.61	0 0 0 0 0 0 0 0 0				INTERPOLATED	E(S) 3	0.048
47-09N LONG 8 DRY 12-3 R 32 SWL 1	SIGMA-T		22.96 23.70 23.92	24.66 24.89					SAL.	30.999 31.560 32.185
5 AMT 8	SAL.		30 • 130 30 • 999 31 • 170	31 • 981 32 • 185				STATION 287-058	E(T)	
20 HR 00 20 CL 5	TEMP.	12.16 11.93	111.31 10.94 10.42	10.23 9.73 9.33				STATION	TEMP.	12.16.10.94 10.23 9.33
5/21/61 BA 5 DIR	DEPTH	om	00E	<b>9</b> 000	04				DEPTH	0000
DATE SECDI WVEL	CAST	<b></b>			đ					

OBSERVED VALUES

STATION 287-058

		PROD-S										
		PROD-I	5.17 4.89	Ç	0.00	:	5			E(0)		0.11
		CHL-A P	33	(	ກິດ	Ye .	0			• <b>XX</b> 0	66.00 66.00 64.00 64.00	4.97 2.36
	WEA 03	NITR. CH	00	C	•	c	Ď		VALUES	GEOPOT.	0.000 0.051 0.088 0.121	0.176
	5DG 82 RELHU 71 07	SIL							COMPUTED \	SP.VOL. ANOMALY	597 408 340 6 309 7	240.8 171.2
VALUES	124-26W S WET 9.2 DIR 31 WA	• PHOS•	41	രവ	Φ	4	ហេ	രവര	AND	SIGMA-T	21.85 23.83 24.54 24.87	25.60 26.33
OBSERVED VALUES	0NG 1.7	T OXY.	6.54	6.63	6.59	6.44	5.1	5.76 3.85 1.96	INTERPOLATED	E(S)		600.0
	-50N -50R 29 SV	SIGMA-T	21.85	22.64 23.83	24.40	24.54	24.69	25.30 25.86 26.47		SAL	28.994 31.206 31.948 32.229	32 <b>.</b> 975 33 <b>.</b> 731
	S LAT S AMT	SAL.	28.994 29.028	29.882 31.206	31 • 829	31.948	32.075 32.229	32.641 33.274 33.850	V 287-059	E(T)		60.0
STATION	20 CL (	TEMP.	12•61 12•57	12.05	10.62	10.31	10.03	8.97 8.57 7.48	STATION	TEMP.	12.61 11.13 10.31 9.66	8.74
	5/21/61 BA 3 DIR	DEPTH	om	90;	12 12		3026	4 % V		DEPTH	3000	50 75
	DATE SECDI WVEL	CAST	<b>H H</b>									

sA 02 1S 7	R. CHL-A PROD-1 PROD-S	.0 0.42 3.89 .0 0.46 3.42	0.0000000000000000000000000000000000000	•3 •8 •6 0•30 2•73	5/ rec	<b>୭</b> ୩ ୦	UES	GEOPOT. ANOMALY OXY. E(0)	0.000 6.43 0.059 6.54 0.101 6.65	0.185 6.22 0.04 0.246 4.67 0.03 0.295 3.62 0.00
3 183 WE ELHU 75 V	SIL. NITR	16	118 6 00 00	n v o	8 11 24 15 26 19	42 25. 50 31.	COMPUTED VALUE	SP.VOL. GE ANOMALY AN	645.8 514.9 327.3 278.0	267.4 0 215.9 0 178.8 0
LUES 52W SDC 8.9 RE	30 WA PHOS	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.29 0.48 0.70	0.79 0.74 0.97	1.05 1.11 1.71 1.89	2.46 2.42 2.61	A D D	SIGMA-T S	21.35 22.71 24.68 25.20	25.32 25.86 26.26
ERVED ONG 12 1 • 1 W	- O 	6.4 6.4 6.4	6.54 6.54 6.51	6.66 6.65 6.65	66.44 0.06 0.01 0.01 0.01	200 000 000	INTERPOLATED	E(S)		0.013 0.011 0.003
49 NO	32 SWL SIGMA-T	21.35	21 • 38 22 • 71 24 • 53	24.68 24.88 25.20	25.26 25.40 25.92 26.92	26.40 26.50 26.50		SAL.	28.338 29.904 32.189 32.546	32.604 33.214 33.640
287-06 LAT 4	<b>-</b> 0	28.338 28.340	28,372 29,904 32,031	32,189 32,330 32,546	32.564 32.694 33.280 33.595	33.814 33.874 33.936	090-182 7	E(T)	14.4171	000
STATION	Z S	12•60 12•58	12.55 11.72 10.77	10.59 10.08 9.12	8.85 8.57 8.17 7.81	7.77 7.37 6.95	STATION	TEMP.	12.60 11.72 10.59	8.67 8.21 7.80
/21/6 BA	4 DIR DEPTH	<b>ഠ</b> ന ഗ	100 6	9908 9980	39 778 96	124 149 174		DEPTH	9000	5C 75 100
DATE SECDI	WVEL	~~			анан					

		PROD-S					
		PROD-I					
	72	CHL-A					
	WEA 02	NITR.					
	SDG 2012 RELHU 84 1 11, 00	SIL					
- UES	WET 8.9 F	PH0S.					
OBSERVED VALUES		• YX0	00 00 00 00	4 m m m o n o n o o o o o o o o o o o o o	0400 0400	1100 000 0004 0000	66.0
OBSER	-47N LONG DRY 10.8 20 SWL 1	SIGMA-T	25.06 25.06 25.06 25.06	26.00 26.21 26.30	0000 0000 0000 0000 0000	26.78 27.02 27.24 27.42	27.61
ON 28/-061	LAT 46-47N AMT 9 DRY 1 DIR 20 SW	SAL.	28.676 32.503 32.618 32.956	33.439 33.646 33.724 33.806	33.867 33.860 33.902	34.023 34.148 34.307 34.439	34,561
NOT IN S	1 HR 11 19 CL 20 SEA	TEMP.	12.58 9.78 8.87 8.82	8.48 8.13 7.99 7.90	7.76 7.63 7.34 7.07	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	2.37
	5/21/6 BA 2 DIR	DEPTH	3000	049 000 000 000	120 144 163 191	289 490 742 1044	1595
	DATE SECDI WVEL	CAST	ุนผนผ	ุดผดผ	ผผน	нене	

	E(0)		00.00	0.01	0000	0000 0000 14%E	0.02
	oxY.	66 60 80 80 80 80 80 80 80 80 80 80 80 80 80	3.61	•	2.46 1.557 1.27	000 000 000 000 000 000	000 000 000 400
/ALUES	GEOPOT.	0.000 0.0046 0.001	0.143	31.	0.389 0.526 0.526	0.764 0.869 0.966 1.056	1.219
OMPUTED \	SP.VOL.	0000 0000 0000 0000 0000 0000	186.5	158.8	146.1 137.1 129.7 118.1	109•1 100•7 93•2 86•8	76.2 67.8
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	25.30 25.30 25.30	26.17 26.28 26.37	9	26.62 26.72 26.80 26.93	27.03 27.13 27.21 27.28	27.40 27.50 27.50
TERPOLA.	E(S)		0.037	0.002	000000000000000000000000000000000000000	00000	0000000
	SAL.	28.676 32.503 32.618 32.956	33.614 33.710 33.806	33.872	33.940 33.995 34.031 34.096	34.155 34.210 34.282 34.337	34.44 34.44 34.44 34.03
STATION 287-061	E(T)		0.00	0.01	0000	0000	011
STATIO	TEMP.	12.58 9.78 8.87 8.82	8.26 8.01 7.90	•	6.98 6.51 5.44 6.44	44. 44. 46. 46. 46. 46. 46. 46. 46. 46.	88.00 740.00
	DEPTH	3000	50 75 100	150	200 3000 4000	500 600 700 800	110000

		PROD-S					
		PROD-1					
	52 6	CHL-A					
	WEA	NIT N	00~N	20 10 10 10 10 10	26.3 20.4 20.6 21.8	222 27.3 38.4 41.3	40•1
	SDG 1866 RELHU 86 1 17, 15	SIL.	0870	1111 300 300	9440 322 72	49 70 1113 133	163
.UES	m <b>≩</b>	PHOS.	0000 0000 040 040 000	0119 04400 04400	4 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.02 30.02 30.02 47	3.48
OBSERVED VALUES	6 125-41W 6 WET 9 DIR 30	• ×× o	66.00 64.00 64.00 60.00 60.00	00.04 00.04 00.00 00.00	3.40 2.97 2.73 2.82	2.07 1.06 0.48 0.31	0.44
OBSER	46-54N LONG 8 DRY 10.6 R 19 SWL 1	SIGMA-T	23.52 24.10 25.83 5.06	00000 0000 0000 0000 0000	26.28 26.45 26.56 26.56	26.73 26.93 27.09 27.25	27.47
287-062	6 LAT 46- 2 AMT 8	SAL.	30.761 31.671 32.428 32.560	32.576 32.588 32.722 33.375	33.699 33.844 33.912 33.894	33,991 34,082 34,180 34,305	34.463
STATION	1 HR 16 19 CL 19 SEA	TEMP.	12 • 18 11 • 64 10 • 79	60 88 60 88 60 86 60 86	7.96 7.58 7.14	60.34 00.39 00.00	3.13
	5/21/61 15 BA 6 DIR	DEPTH	0000	339 70 970	121 146 169 192	299 412 627 884	1406
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5	1 1		;						
0000	1 = 0080	CHL-A	Ē		3	5	•		i
			WEA	SDG RELHU	:5-39W S ET R WA	NG. 12	46-53N DRY R SW	LAT AMT	HR 13 CL SEA
					VALUES	RVED		1 287-62D	ATION
	† 1 † † † †	0.28 0.31	1 • 335 1 • 500	86.4	27.30		34.351 34.416		.88 51
	0000	0000 0000 0000 0000	0.845 0.953 1.055 1.153	1100 1004 1006 1006 1006	27.02 27.08 27.14 27.20	0000 •••• 0000 4800 11	34.128 34.170 34.217 34.265	00000	8044 8044 8084
	0000	2000 2000 1000 1000	0.457 0.532 0.603 0.730	153 144 136 196 196 196 196	26.54 26.61 26.73 26.92	0000 •••• 0000 0100	33.929 33.929 34.992 34.073	0000	9.00 9.00 1.00 1.00
	0000	6.55 6.54 7.06 7.05 7.05 7.05 7.05 7.05 7.05 7.05 7.05	0.165 0.231 0.288 0.379	281 248.4 205.4 158.8	25.17 25.52 25.98 26.48	0000	32.569 32.836 33.427 33.861	0000 0000 0000 1000	4004 ৮৯00
	000	0000 0400 0400	0.000 0.043 0.077 0.107	459 3883 409 201 201 201	23.29 24.10 24.87 25.06	0.009	30.761 31.671 32.461 32.564	00	0.00 0.00 0.00 0.00
	E(0)	• <b>XX</b> 0	GEOPOT.	SP.VOL.	SIGMA-T	E(S)	SAL.	E(T)	M. O. W.

INTERPOLATED AND COMPUTED VALUES

STATION 287-062

		PROD-S											
		PROD-1	40.	9.14	4 • 98	2.33							
STATION 287-063 OBSERVED VALUES	5/21/61 HR 16 LAT 47-01N LONG 125-19W SDG 1866 WEA 03 7 DIR 18 SEA 3 DIR 18 SWL 1 DIR 30 WA 25, 08	CHL-A	0.49	0 • 45	0 • 33	0.38							
		NITR.											
		SIL											
		PH0S.											
		• XXO	6.32	6.55	6.62	6.54	6.47	24.6 28.6 1980	3.29	000 000 000 000 000	1 • 8 • 0 • 8 8 • 0	0.45	0.95
		SIGMA-T	21.76	24.46	24.96	25.12	25.22	25.81 26.16	26.38	000 000 000 000 000		27.22	27.60
		SAL.	28.859	31.998	32,345	32,493	32.595	33.133 33.530	33,765	33.882 33.894 924		34.282 34.430	34.549
		TEMP.	12.54	11.03	99.6	63	NV.	8.16 7.90	Ý.	04°7 98°7 70°7	2.	-4	2.40
		DEPTH	04	00	19	330 380	4 f.	066 066	(	132 156 176	10		1550
	DATE SECDI WVEL	CAST	N	8	. 2	8	an	เดด	a	V		<b>⊶</b> ⊶	-

								PROD-S	64 • 32 41 • 24 7 • 06
E(0)		0000	0000	0000 •••• 0000 0004				PROD-1	88.78 3.68 3.97
• XX0	00 00 00 00 00 00 00 00	5.00 5.00 5.00 5.00 5.00 5.00	2.00 1.00 1.00 1.00 1.00	0.75 0.47 0.35 0.31	0.38			CHL-A F	00 00 00 00 00 00 00 00 00 00 00 00 00
GEOPOT.	0.000 0.0048 0.081	0.166 0.228 0.280 0.365	0.509 0.509 0.574 0.694	0.801 0.907 1.005 1.088	1 • 241 1 • 380 ·1 • 567		WEA 02 VIS	NITR. C	NNO NNO
SP.VOL.	3000 3000 3000 3000 9000 8000	269•8 230•1 186•4 154•7	143.1 133.8 126.3 113.0	101 • 9 109 • 7 85 • 6 80 • 2	73.0 66.1 58.9		E L H	SIL	20 21 15 15
SIGMA-T	21 • 76 24 • 46 24 • 96 25 • 12	25.29 25.71 26.18 26.52	26.65 26.15 26.84 26.98	27.11 27.03 27.29 27.35	27.43 27.51 27.59	<u>!</u>	VALUES 5-19W SDG ET REI	WA PHOS	00 00 04 00 14 00
E(S)		0.002 0.002 0.002 0.002	0.005 0.013 0.019 0.023	000000000000000000000000000000000000000			とり		
SAL	21.000 31.000 32.000 32.000 32.000	32.623 33.028 33.552 33.852	33.950 34.021 34.076 34.168	34.236 34.279 34.329 34.374	34.446 34.501 34.546	•	OIN ORY	α	
E(T)		0000	0000	0000				⋖	
TEMP	12.55 9.66 9.66	8.93 7.88 7.37	66.00 0.00 0.00 0.00 0.00 0.00	44WW •••• •••• ••• ••• ••• •••	20.00 0.00 0.00 0.00		STATIO 1 HR 1 18 CL	œ	
DEPTH	9000	50 100 150	0000 0000 0000	500 600 8000	1000 1200 1500		5/21/6 14 BA	DI EPTH	3 3 3 3 8
		Σ					DATE	VEL	

INTERPOLATED AND COMPUTED VALUES

STATION 287-063

		PROD-S					
		PROD-I	1 • 34	1.26	1 • 83	0.56	
OBSERVED VALUES	W.L	CHL-A	0 • 34	0.33	0 • 0	0.47	
	WEA 03	NI TR					
	SDG 150 RELHU 75 A 12	SIL					
	124-50W SD WET 10.1 R DIR 30 WA 1	PH0S.					
	S WET DIR	oxx.	6.36 6.40	04.00 04.00 00.00	6.65 6.45 6.45 6.45	90 90 90 90 90 90	2.92 1.94 1.79
	LAT 47-03N LONG 5 AMT 7 DRY 12.2 2 DIR 20 SWL 1	SIGMA-T	22. 22.28 22.28	22 22 24 24 28 29	24.55 24.71 24.90	25. 25. 25. 26. 26. 26. 26.	26.26 26.62 26.62
ON 287-064	00 LAT 47 L 6 AMT 7 EA 2 DIR	SAL.	29.465 29.477	29.466 29.483 31.757	32.007 32.084 32.271	32.377 32.738 33.474	33.654 33.946 33.966
STATION	16 AR 20 S	TEMP.	12•37 12•32	12.38 12.33 10.90	10.54 9.96 9.67	8.91 8.67 8.10	7.87 6.90 6.67
	5/22/61 BA 7 DIR	DEPTH	om	1506	-40 646	38 789 8	98 122 145
	DATE SECDI WVEL	CAST		ннн			

	E(0)			0.02		00
	• XXO	6.36 6.38	6.61	6 • 3 6	5.25	2.86
'ALUES	GEOPOT.	0.000	0.101	0.133	0.191	00.00
COMPUTED	SP.VOL.	558 556 556	336.4	304.2	272.7	175.5
TED AND	E(S) SIGMA-T	22.26 22.28	24.59	24.93	25.26	26.29
TERPOLA	E(S)		0.010	90000	60000	0.021
STATION 287-064 INTERPOLATED AND COMPUTED VALUES	SAL.	29.465	32.028	32,289	32,537	33,682
	E(T)			0.01		0.00
	TEMP.	12.37	10.42	69.6	8.70	7.79
	DEPTH	001	20	30	OI OI	100

		PROD-S		•							
		PROD-1	10.11	5,99	4.62				E(0)		1
		CHL-A P	1.04	99•0	0.86				• YX0	6.82 6.71 6.16 5.03	4.35
	WEA 03	NITR. CH		<b>o</b>	0			ALUES	GEOPOT. ANOMALY	0.000 0.050 0.087 0.119	0.173
	SDG 77 W RELHU 82	SIL. NI						PUTED VA	SP.VOL.	578.3 403.9 341.8 297.3	248.8
( <u>H</u>	ເດ≩	PH0S.						INTERPOLATED AND COMPUTED VALUES	S SIGMA-T A	24.00 24.00 24.00 20.00 20.00	25,51
OBSERVED VALUES		0XY•	6.82 6.81	6.82 6.71 6.55	ან 1.00 0.00 0.00	3.00		ROLATED	E(S) SI	aaaa	2 8
OBSE	LAT. 47-17N LONG AMT 8 DRY 12.2 2 DIR 17 SWL 1	SIGMA-T	22 • 05 22 • 09	22.38 23.88 24.33	24.53 24.74 25.00	25.16 26.05		INTER	SAL. E	29.247 31.171 31.846 32.207	32.790 -
287-065		SAL.	29•247 29•288	29.580 31.171 31.685	31.846 31.944 32.207	32.389 33.440		ON 287-065	E(T) S	9999	32
MOTTATA	EA 6	EMP.	2.58 2.52	2.21 0.68 0.34	9.91 9.07 8.72	8.59 8.13		STATION	TEMP. E	2.58 9.91 8.72	8.39 -
U	5/22/61 BA 1 6 DIR 1	DEPTH T	OM	100	<b>0</b> 100	4 9 0 0		U)	DEPTH 1	9000	50
	DATE SECDI WVEL	CAST		ана	нпн						
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		PROD-S					
		PROD-I	39.96	010	70.10	25.86	
	72	CHL-A	3.94		0	3.43	
	WEA O	PHOS. SIL. NITR. CHL-A					
	G 45 ELHU B	SIL					
LUES	16W SD 11.4 R 23 WA 0	PHOS.					
OBSERVED VALUES	G 124- 8 WET DIR	• XXO	6.44	6.47	6.47	6.24	6.04 0.01 0.01
	04 LAT 46-54N LONG 124-16W SDG 45 WEA 02 L 6 AMT 8 DRY 12.8 WET 11.4 RELHU 85 VIS 7 EA 1 DIR 14 SWL 1 DIR 23 WA 00	SAL. SIGMA-T	23,38	23,38	23,38	23•73	24.26 24.26 25.00
ON 287-066	A LAT 46	SAL.	30.704	30.704	30.705	31.068	31.614 31.974 32.372
STATION	16 HR	TEMP.	11.47	11.46	11.46	11.09	10.47 10.05 9.55
	5/22/61 BA 3 DIR	DEPTH	00	чm	10	04	202 203
	DATE SECDI WVEL	CAST			-		

	E(0)	et et
	0XY•	440.00 440.00
/ALUES	GEOPOT.	0000
OMPUTED	SP.VOL.	451 • 4 418 • 3
TED AND C	SIGMA-T	04 23.38 451.4 0.000 58 23.73 418.3 0.044 74 24.61 334.5 0.082
IERPOLA	E(S)	
	SAL.	30.704
N 287-(	E(T)	
STATION 287-066	TEMP.	011000
	DEPTH	000

		PROD-S									
		PROD-I	5.86	3•71	5.70		7.72			E(0)	
		CHL-A F	0.78	0.59	1 • 1 7		1.14			0XY•	00 00 00
	WEA 02 VIS 7	NITR. C	00		000	N0.4			'ALUES	GEOPOT.	00000
	SDG 43 RELHU 85 1 01	SIL. N	12 9		12 9	9 11			COMPUTED VALUES	SP.VOL.	3448 3318 3348 305 6
UES	ω, ≸	PHOS.	0.36		0.38 0.61 0.70	0.78			AND	SIGMA-T	21 - 32 24 - 11 24 - 60 24 - 91
OBSERVED VALUES	16 124-22W 2 WET 10 DIR 24	• <b>XX</b> 0	6.60 6.61		6.00 6.00 6.00 6.00 6.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 • 00		INTERPOLATED	E(S) SI	พพพพ
OBSER	47-10N LONG 8 DRY 12.2 R 18 SWL 1	SIGMA-T	21•32 21•94		22.89 24.11 24.37	24.60	16.47		INTER	SAL. E	28.348 31.411 31.975 32.235
ON 287-067	LAT AMT DI	SAL.	28.348 29.060	•	30.087 31.411 31.728	31.975	26.655		287-067	E(T) S	3318
STATION 2	HR 06 5 CL 6 6 SEA 1	EMP.	2.37		00 • 00 • 04 • 04 • 04 • 04 • 04 • 04 •	90.08	<b>•</b>		STATION 2	TEMP. E	00.00 00.00 00.00 00.00 00.00
S	5/22/61 BA 1 3 DIR 1	DEPTH T	001	ກ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2000	3 3 3 3		S	DEPTH T	3000
	SECDI WVEL	CAST					-			_	
			^	_	-		_				

	PROD-S					•	
	PROD-1					E(0)	
			,			0XY•	7.12 6.61 5.58 5.15
20.0	CHL-A				S	GEOPOT.	0.000 0.0045 0.081 0.112
WEA OZ	NI TR.				VALUE		
SDG 46 RELHU 87	SIL				OMPUTED	SP . VOL . ANOMALY	514•3 385•3 331•9 279•7
124-30W SE WET 10.6 F DIR 24 WA C	PH0S.				INTERPOLATED AND COMPUTED VALUES	SIGMA-T	22.72 24.07 24.63 25.18
10 124 9 WE	0XY•	7.12 7.18 7.10 6.61	6.06 5.58 5.15 5.15		RPOLAT	E(S)	
LAT 47-23N LONG AMT 9 DRY 11.9 DIR 17 SWL 1	SIGMA-T	00000000000000000000000000000000000000	224 244 244 254 254 254 254 254 254 254			SAL. E	30,029 31,352 31,901 32,489
	SAL.	30.029 30.040 31.123 31.323	31.593 31.901 32.169 32.489		ON 287-068	E(T)	.,,,,,
1 HR 09 15 CL X 12 SEA 1	TEMP.	12.23 12.17 10.32 10.36	99.99 99.90 99.90		STATIO	TEMP.	100 100 90 90 90 90
5/22/61 BA 4 DIR	DEPTH	00,00	2008 305 305			DEPTH	0000
DATE SECDI WVEL	CAST		<b>н</b> ннн				

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SP.VOL. GEOPOT. ANOMALY ANOMALY

SIGMA-T

E(S)

E(T)

TEMP.

DEPTH

INTERPOLATED AND COMPUTED VALUES

STATION 287-069

6.96 5.37 5.42 5.42

0.000 0.000 0.081 0.114

22.65 24.18 24.57 24.81

29.933 31.417 31.764 32.030

10.01 9.03 9.24 9.10

1750 300 000 000 000 000

0.00 0.04 0.04

5.17 3.95 1.77

0.171 0.229 0.273

258.0 207.0 143.5

25.42 25.96 26.63

0.015

32.707 33.316 33.941

0.03

8.55 8.13 6.85

	PROD-S				
	PR0D-1				
۵۲ م	CHL-A				
SDG 113 WEA 02 RELHU 94 VIS 7 00	NI TR				
DG 113 SELHU 9 00	SIL		•		
124-42W SI WET 11.0 F DIR 24 WA	PHOS.				
G 124- 8 WET DIR	oxy.	6.96 7.00 7.01	00000 0000 0000	5.48 4.68 3.64 1.77	
LAT 47~18N LONG AMT 9 DRY 11.8 1 DIR 17 SWL 1	SIGMA-T	2000 2000 2000 2000 2000	24.36 24.57 24.81	25.16 25.63 26.63	
LAT 47 AMT 9	SAL.	29.933 29.937 31.205 31.417	31.545 31.764 32.040	32.430 32.938 33.941	
1 HR 11 13 CL 15 SEA	TEMP.	10.00 10.00 10.03 10.03	9.09.00 9.00 9.00	6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
5/22/6 BA 3 DIR	DEPTH	OW <b>4</b> 0	3000 3000 3000	44980 0000 0000	
DATE SECDI WVEL	CAST			нанн	

OBSERVED VALUES

		PROD-S	24 • 84						
		PR0D-1	3.63	3•15		6. 9.04	2.03		
	52 6	CHL-A	0.26	• 4	,	0.27	0•33		٠
	WEA VIS	NITR.							
	SDG 969 RELHU 98 A 08, 10	SIL							
UES	125-04W SI WET 9.8 F DIR 23 WA	PH0S.							
OBSERVED VALUES	125-C 0 WET DIR 2	• YX0	6.36	95•9	6.65	6.56 6.35	6.16 3.28 9.95	3.38 2.04 2.06 2.1	1.36 0.36 0.36
OBSER	-19N LONG DRY 10.0 15 SWL 1	SIGMA-T	23.48	24.34	24.64	25.05 25.20	200 200 200 200 200 200 200	266 266 266 266 27 266 37	26.83 27.06 27.25 27.33
ON 287-070	LAT 47 AMT 8 DIR	SAL.	30 • 889	31.820	32,103	32.435 32.538	32.599 32.925 33.440	33.677 33.879 33.908 33.944	34.025 34.165 34.299 34.357
STATION	12 CL 6 15 SEA 1	TEMP.	11.70	10.89	10.46	9.52 9.12	8.77 8.60 8.11	7.79 7.46 7.07 6.82	5.76 4.00 3.68
	5/22/61 BA 4 DIR	DEPTH	04	00	0,0	76.4 100	4 4 4 6 6 6 6	120 144 173 194	291 487 737 885
	DATE SECDI WVEL	CAST	1		-			4	ดดดด

	_			M 01 M	001.1
	E(0)		0000 41116	0 0 0 0 0 0 0 0 0 0 0 0	0000
	0XY•	66 56 66 56 67 66 67 66	2000 2000 2000 2000	2.19 1.86 0.82	0000 0000 0000 0000 0000
/ALUES	GEOPOT.	0.000 0.041 0.075 0.106	0.163 0.228 0.284 0.372	0.446 0.515 0.580 0.699	0.808 0.909 1.003
COMPUTED VALUES	SP.VOL.	441 331 292 202 202	273.4 249.7 196.6 154.9	142.9 132.9 124.8 113.2	105.0 97.5 91.4
INTERPOLATED AND C	S1GMA-T	223 244 244 254 20 20 30 30 30 30 30 30 30 30 30 30 30 30 30	25.25 25.51 26.07 26.52	26.65 26.76 26.85 26.98	27.07 27.07 27.16 29.72
TERPOLA'	E(S)		0.017 0.002 0.002 0.007	0000	0000
	SAL	30.889 31.810 32.103 32.435	32.566 32.841 33.455 33.894	33.951 33.990 34.032 34.107	34 • 173 34 • 231 34 • 282 34 • 326
V 287-070	E(T)		0000	0000	0000
STATION	TEMP.	111 - 70 10 - 89 10 - 46 9 - 52	88 80 97 98 98 98 98 98 98 98 98 98 98 98 98 98	6.75 6.18 5.69 5.10	4446 •••• •••• ••• ••• ••• •••
	DEPTH	0000	50 100 150	0000 0000	846 U

		PROD-S	33.12		ď	80.42	0.58				
		PROD-I	6.12	•		00 • V	0.82				
	5	CHL-A	0 52	/ 2 0	ti -	n •	0.18				
	WEA 03	NI TR	00	000	7.0	-44 • • • •		16.2	80	833 803 803 803 803 803 803 803 803 803	23.02.0
	SDG 1719 RELHU 87 A 35, 00	SIL	۲.	24	۲.	200	16	22.2	38	346	5111
.UES	~ ~	PHOS.	0 • 60	0.64	90	1000	1.04	1.69	•	1.99	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
OBSERVED VALUES	G 125-43W 2 WET 10.E	• YX0	6.45	6.42	6.73	6.66	6.30	3.75	•	3.17	1.86
OBSER	47-19N LONG 8 DRY 12.2 R 13 SWL 1	SIGMA-T	24.44	24.43	24.59	25.02 25.19	5.2	25.66 26.03	9	26.55 26.55	00000 0000 0000 0000 0000 0000
287-071	B AMT	SAL.	32.059	32.043	32.227	32•482 32•573	32•611	33.049	33,706	33.898	33.951 34.076 34.245
STATION	10 HR 19 13 SEA	TEMP.	11.42	11.38	11.28	9.94 9.35	•	8.72	ເດັດ	7.24	0104 m 0 0 0 m 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	5/22/61 BA 13 DIR	DEPTH	Ođ	00	20	им4 000	6 6 8	100	SA	165	04 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	DATE SECDI WVEL	CAST	N	a	N	ุดด	N	ดด	N O	7-0	HHMM

E(0)		0.03	0.02	0000	0011 0011
0XY•	6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6.54 5.38	3.140	2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	0000 0000 004 004
GEOPOT. ANOMALY	000000000000000000000000000000000000000	0.224	0.370	0.5447 0.519 0.587 0.712	0.827 0.931 1.028
SP.VOL.	350.4 351.1 336.0 295.4	2474 0.00 0.00 0.00	160.8	149.8 138.4 131.4 19.4	109•1 100•1 92•8
S1GMA-T	444 444 444 444 600 600	200 200 200 200 200 200 200	26.45	26.58 26.70 26.78 26.91	7.03 7.03 1.03 1.03
E(S)		0.025	0.003	00000	0.003
SAL.	32.059 32.227 32.482	32.579	33.808	33.9883 33.9882 34.9887 36.080	34.137 34.211 34.275
E(T)		0.03	00.0	0000	0011
TEMP.	111.38 111.28 11.28	9.05	7.35	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	444 844 044 074
DEPTH	3000	500	120	220 220 3000 4	2000 2000 2000 2000
	SP.VOL. GEOPOT. TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY.  11.42 32.059 24.44 350.4 0.000 6.45 11.38 32.227 24.59 336.0 0.070 6.73 9.94 32.482 25.02 295.4 0.102 6.66	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  11.42 11.38 11.28 11.28 12.059 24.44 350.4 0.000 6.45 11.28 32.027 24.49 350.4 0.000 6.45 11.28 32.227 24.59 336.0 0.000 6.45 11.28 32.482 25.02 295.4 0.102 6.54 8.76 9.05 0.013 32.923 0.014 25.55 9.05 9.05 9.05 9.05 9.05 9.05 9.05	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY.  11.42 11.38 11.28 11.38 11.	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY.  111.42 111.28 111.28 9.05 0.003 32.059 32.027 24.44 350.4 0.000 32.059 32.027 24.59 336.0 0.000 32.057 0.001 32.923 0.001 25.02 295.4 0.000 6.45 6.66 6.73 8.76 0.001 32.923 0.0014 25.02 295.4 0.102 6.66 6.66 6.73 8.34 0.003 33.983 0.0023 26.58 149.8 0.447 2.62 6.35 6.35 6.35 6.35 6.35 6.35 6.35 6.35

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		PROD-S				
		PROD-I				
	۷٥	CHL-A				
	WEA 60	NITR.				
	SDG 1101 RELHU 94 A 15, 05	SIL				
UES	4.3	PHOS.				
OBSERVED VALUES	46 125-28W 2 WET 10	oxY.	66.05 6.05 6.05 6.05 6.05 6.05 6.05 6.05	00.04 00.00 00.00 00.00	0000 0000 0000 0000	1.76 0.84 0.43
OBSEF	LAT 47-32N LONG AMT 8 DRY 11.2	SIGMA-T	22 22 24 24 24 24 24 24 24 24	25.09 25.31 25.80 26.17	26.37 26.49 26.55 26.65	26.17 27.03 27.24
ON 287-072	_ (r)	SAL.	32.013 32.003 32.034 32.261	32.534 32.578 33.160 33.588	33.766 33.857 33.903 33.940	34.009 34.139 34.286
STATION	12 HR 00	TEMP.	11.42 11.37 11.28 10.65	9.75 8.57 8.38 8.14	7.71 7.36 7.18 6.94	4 0 0 4 4 4 6 0 4 4 6 0 4 4 6 0 4 6 0 4 6 0 4 6 0 4 6 0 4 6 0 4 6 6 6 6
	5/23/61 BA B DIR	DEPTH	3000	000 000 000	123 147 171 195	294 490 740
	DATE SECDI WVEL	CAST	ผพพพ	ดเปตต	<b>นผผ</b> -	

	STATION	287-072		INTERPOLATED	TED AND C	AND COMPUTED VALUES	/ALUES		
DEPTH	TEMP.	E(T)	SAL.	E(S)	SIGMA-T	SP.VOL.	GEOPOT. ANOMALY	oxv.	E(0)
9000	111.42 111.24 10.65		32.0013 32.0013 32.003 42.003		24.45 24.45 24.45 24.45 24.45	30 30 30 30 30 30 30 30 30 30 30 30 30 3	00000 00000 00000 00000	6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
27 25 25 25 25 25 25 25 25 25 25 25 25 25	9 • 05 8 • 38	0.01	32.564 32.996	0.050	25.23	275.9. 234.5	0.228	6.59 5.11	0.03
150	7.33	00.0	33.864	0.001	26.50	156.5	0.367	2.67	00.0
200	6.94	000	33.939 33.985	0.006	26.61 26.71	146.3	0.443	2.37	000
64 00 00	5.09 5.39	000	34 • 013 34 • 081	00	26•78 26•92	131.2	0.581	1.72	0000
000 1000	4 4 4 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		34 • 145 34 • 206	•	27.04	107.9	0.923	0 0 0 0 0 0 0 0	

		PROD-S								
		PROD-I						E(0)		00.00
								0XY•	6.68 6.69 6.69 6.39	0.00 0.00 0.00 0.00 0.00
	03	CHL-A						-≺•		
	WEA VIS	NI TR					VALUES	GEOPOT. ANOMALY	0.000 0.039 0.039 0.04 0.05	0.161 0.221 0.269 0.350
	SDG 168 RELHU 87 \ 10	SIL•					COMPUTED	SP.VOL. ANOMALY	400 • 1 370 • 4 335 • 6 288 • 8	269.1 208.4 177.6 144.5
'ALUES	124-56W SE WET 10.6 F DIR 16 WA 1	PHOS.					INTERPOLATED AND CO	SIGMA-T	23.00 24.00 25.00 25.00	25.30 25.94 26.27 26.62
OBSERVED VALUES		• VXO	6666 6666 6632	66 66 66 66 66 66 66 66 66 66 66 66 66	0386 0400 0400 0400	2.83 1.93	RPOLAT	E(S)		015
	47-35N LONG 8 DRY 11.7 R 16 SWL 1	SIGMA-T	23.91 23.88 23.89 24.23	24.51 24.60 24.86 25.09	25.19 25.46 26.10 26.27	26.46 26.62		SAL.	31.426 31.704 32.013 32.466	32.627 0 33.304 0 33.647 33.934
	3 LAT 47. 6 AMT 8 A 2 DIR 3	SAL.	31.426 31.380 31.390 31.704	31.934 32.013 32.244 32.466	32.545 32.779 33.475 33.647	33.819 33.934	N 287-073	E(T)		000
STATION	1 HR 0: 12 CL 16 SE/	TEMP.	11.559 111.57 111.04	10.44 10.26 9.78	9.18 8.62 7.75	7•38 6•83	STATION	TEMP.	111 10.00 10.04 44	8.91 8.16 7.75 6.83
	5/23/6: BA 6 DIR	DEPTH	00.00	3020 3020	049 000 000 000	125 150		DEPTH	9000	50 150 150
	DATE SECDI WVEL	CAST	нене	нннн						

7.27 7.28 5.82 5.35

471.1 471.2 386.0 313.8

23.17 23.17 24.07 24.83

3000

	PROD-S								
	PROD-1	8.76	10.26		-	<b>6</b> 00			• E(0)
016	CHL-A	3.53 4.19	3.73	)	ć	h • .			T• 0xv•
WEA 02	NI TR	00	00	0.0	9.6	9•1		INTERPOLATED AND COMPUTED VALUES	• GEOPOT•
SDG 45 RELHU 94 A 03	SIL	1 18 18	18	18	23	21		OMPUTED	SP.VOL. ANOMALY
124-35W SI WET 10.6 P DIR 16 WA	PHOS.	0 • 0 • 0 • 0 • 0	0.46 0.52	0.55	1.25 1.36	1 • 35		D AND C	I GMA-T
4G 124-	• YX0	7.27 7.27	7.28	7.30	5.82	5.35		RPOLATE	E(S) SIGMA-T
LAT 47-35N LONG AMT 8 DRY 11•1 DIR 16 SWL 1	SIGMA-T	23.17	23.17	23.19	24.07 24.59	24.83			SAL•
LAT 47-35N 9 AMT 8 DR 2 DIR 16	SAL.	30.476 30.478	30.477	30.492	31 • 233 31 • 822	32.128		10N 287-074	E(T)
HR 06 L 13 CL B 16 SEA 2	TEMP.	11.64	11.64 11.64	11.62	9.83 9.42	9.44		STATION	TEMP.
5/23/61 BA 9 DIR	DEPTH	OW 4	<b>204</b>	12	120	30			DEPTH
DATE SECDI WVEL	CAST			-		1			

OBSERVED VALUES

STATION 287-074

**Q. 4** 

		PROD-S		
		PROD-1		
	S.	CHL-A		
	7 WEAC	NITR.		
	SELHU 2	SIL		
LUES	35W SE 10.0 F	PHOS.		
OBSERVED VALUES	16 124- 1 WET DIR	oxx.	7.88 7.39 7.31	9.90
	: 08 LAT 47-47N LONG 124-35W SDG 27 WEA 02 CL 8 AMT 8 DRY 11.1 WET 10.0 RELHU 87 VIS 7 SEA 2 DIR 12 SWL 1 DIR 16 WA 00	SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A	0000	30,767 23,51
ION 287-075	B LAT 47 8 AMT 8	SAL.	300 300 300 555 300 555 555	30.767
STATION	12 12	TEMP.	11.28 11.27 11.28 11.28	10.98
	5/23/61 BA 7 DIR	DEPTH	0000	15
	DATE SECDI WVEL	CAST	нннн	-

	SIATIO	N 287-0	15 IN	TERPOLA	STATION 287-075 INTERPOLATED AND COMPUTED VALUES	OMPUTED V	'ALUES		
DEPTH	TEMP.	E(T)	DEPTH TEMP. E(T) SAL.	E(S)	E(S) SIGMA-T	SP.VOL. GEOPOT. ANOMALY ANOMALY	GEOPOT.	• XX0	E(0)
00	11.28 11.28		30.563 30.552		23•30 23•29	458.6 459.6	0.000	7.28	

		PROD-S								
		PROD-1						E(0)		0.04
		CHL-A F						• XXO	0 0 0 0 0 0 0 0 0 0 0 0 0	5.43
	WEA 60	NITR. C	0000	. 0 0 11 € • • • • • • • • • • • • • • • • • • •	5.00 6.00 7.00		VALUES	GEOPOT.	0.000 0.041 0.079	0.167
	SDG 82 RELHU 94 1 08	SIL. N	1011	<b>≻ 0 0 0 0</b>	11 19 26		APUTED V	SP.VOL.	407.93 406.94 299.96	257.6 201.1
UES	F.3	PHOS.	0000	0.56 0.63 0.71 0.89	04.0 04.0 04.0		INTERPOLATED AND COMPUTED	SIGMA-T	23.84 23.85 24.85 24.98	25•42 26•02
OBSERVED VALUES	NG 124-53W •6 WET 9• 1 DIR 36	• XXO	0000 0000 0000 0000	6.53 6.53 6.46 6.46	6.10 4.73 3.35		RPOLATE	E(S) S	1410141	010
OBSE	47-47N LONG T 9 DRY 10.6 IR SWL 1	SIGMA-T	2000 2000 2000 2000 2000 2000 2000	24 • 12 24 • 47 24 • 77 24 • 98	25.24 25.58 26.15		INTE	SAL•	1.284 1.301 1.904 2.368	32.705 0 33.357 -
287-076	LA PA	SAL.	31.284 31.287 31.295 31.301	31.584 31.904 32.213 32.368	32.543 32.881 33.504		287-076	E(T) 8	991118	0.05 32
STATION	HR 09	TEMP.	00444 00444 1110	1.10 0.54 0.17 9.65	8.88 8.33 7.83		STATION	TEMP. E	11.40 10.54 9.65	8.51 0 7.92 ±
U)	5/23/61 BA 1 5 DIR 2	DEPTH	00.00	3250	487 090		0,	DEPTH 1	3000	50 75

CAST

		PROD-S	•									
		PROD-I							E(0)		00 0 00 0	1 1
		CHL-A P							• *XO	60.09 60.09 60.07 60.09	00.00 01.47 44.90	2.58
	WEA 03 VIS 7	NITR. CH						VALUES	GEOPOT.	0.000 0.037 0.098	0.153 0.215 0.265 0.347	0.421
	DG 348 ( RELHU 70 07, 02	SIL·N						COMPUTED V	SP.VOL.	368.5 361.3 291.0 280.7	269.5 226.1 172.2 154.0	144.2
0 10 1 10 1	6W S 7•8 1 WA	PHOS.						A N O	IGMA-T	24 • 25 24 • 32 25 • 06 25 • 17	25.29 25.75 26.33 26.53	26.64 26.74
	U 3 ⊢	• XXO	66.55 6.55 6.55 6.55 6.55 6.55 6.55 6.5	6.12 6.57 6.61 6.64	004 m 0404 4100	3.07 2.03 2.50 5.50 5.50	1.43	INTERPOLATED	E(S) S	(4)(0)(0)	0000	!!
	540 80 S	SIGMA-T	22 444 444 444 444 444 444 444 444 444	24.94 25.06 25.16 25.17	25.26 25.38 25.98 26.33	26.41 26.52 26.59 26.59	26.84	INTE	SAL.	768 812 9466 556	.550 .063 .711 .883	.958 -
100	LAT 47- AMT 4 1 DIR 3	SAL.	31.768 31.766 31.781 31.812	32.270 32.466 32.546 32.556	32.563 32.615 33.238 33.711	33,794 33,879 33,919 33,953	34.044	287-077	(£)	999 988 888	32 33 33 33 33 33	33
	SEA B	TEMP.	11.22 11.22 11.22 10.97	0000 0000 0000 0000	8.86 8.33 8.09 7.71	7.58 7.28 7.02 6.91	5.80	STATION	TEMP. E	11.22 10.97 9.60 9.35	8.54 0 8.14 0 7.71	6.89 6.43
•	5/23/61 BA 2 DIR		omøö	3000 0000	4 9 8 0 0 0 0 0	123 148 172 196	294	,	DEPTH	0000 7000	50 100 150	250
	-											

		PROD-S	25.56			PROD-S								
		PROD=1				PROD-I							E(0)	
		CHL-A F	0.64			CHL-A	2•26 2•32	1	/ <b>7</b> • 1	a -			OXY.	66.00 60.00
	WEA VIS	Ċ	Ū		WEA 03	NITR. C		`	•	-		VALUES	GEOPOT. ANOMALY	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	SDG RELHU				SDG 40 RELHU 86 1 03	SIL. N						COMPUTED VALUES	SP.VOL.	409 406 389 672 6
LUES	3			\_UES	124-48W SD WET 8.6 R DIR 18 WA 0	PHOS.						INTERPOLATED AND CC	SIGMA-T	23.82 23.82 24.03 25.18
OBSERVED VALUES	NG 125-16W WET DIR			OBSERVED VALUES	NG 124- 7 WET 1 DIR	•××o	6.65 6.61	6.64 6.62	6.61	6.12	6.10 4.56	RPOLATE	E(S) 3	
	47-54N LONG T DRY IR SWL				-58N LO DRY 9	SIGMA-T	23.82 23.82	23.82 23.85	23.88	24.03	24.81 25.18		SAL.	1.193 1.229 1.274 2.492
287-77A	LAT 47- AMT DIR			ON 287-078	LAT PAM 2 DI	SAL.	31 • 193 31 • 193	31.187	31.268	31.274	32.027 32.492	287-078	E(T)	99911
STATION	HR 13 CL SEA			STATION	HR 16	TEMP.	11.09	11.08	11.12	10.25	9.02 8.96	STATION	TEMP.	111.10 110.25 10.25 8.96
	5/23/61 BA DIR	DEPTH	0		5/23/61 BA 7 DIR	DEPTH	OM	900		90	986 086		DEPTH	3000
	DATE SECDI WVEL				DATE SECDI WVEL	CAST								

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		PROD-S							
		PROD-I							
	01×	CHL-A	1.48	6	07•1	() ()	• • •		
	WEA 52 6 VIS 7	NI TR	00	00	4•3	9•9	8.4 13.7	13.3 13.7 15.5 19.1	
	SDG 139 RELHU 86 1 08	SIL	113	15	16	50	23	324 334 8	
OES	30W SE 8.66 F	PHOS.	0.49	0.55	06.0	1.04	1•16 1•51	1.80 1.60 1.70 2.12	
OBSERVED VALUES	G 125-00W 7 WET 8.6 DIR 18 WA	• YX0	6.73	6.74 6.72	6.74	6.12	5.95 5.43	4.98 5.23 3.17	
OBSER	1-09N LONG DRY 9.7 19 SWL 1	SIGMA-T	23•38 23•39	23•38 23•40	24.05	24.23	24 • 39 24 • 62	24 82 25 28 26 15	
6/0-/82 NO	LAT 48 AMT 8 2 DIR	SAL.	30.753 30.754	30.753	31.270	31,348	31.444	31.957 32.520 32.957 33.467	
STATION	HR 19 14 CL 8 18 SEA	TEMP.	11.64 11.63	11.64	10.12	60.6	8.84 8.73	8.63 8.48 7.63	
	5/23/61 BA 15 DIR	DEPTH	<b>0</b> 04	900		20	300 001	4 10 L Q 0 Q Q Q	
	DATE SECDI WVEL 1	CAST			-	-		нннн	

	E(0)		0.07
	• ××0	6.73 6.72 6.12	5.43 5.04 0.07
/ALUES	GEOPOT.	450.6 0.000 449.3 0.045 370.8 0.087	0.122
OMPUTED \	SP.VOL.	450.6 449.3 370.8	333•1 291•9
INTERPOLATED AND COMPUTED VALUES	E(S) SIGMA-T	23.38 23.40 24.23	24 • 62 25 • 06
TERPOLAT	E(S)		0.013
	SAL.	30.753 30.769 31.348	31.727 32.252 0.013
STATION 287-079			0.01
STATIO	TEMP. E(T)	11.64 11.62 9.39	8.56
	DEPTH	000	10 O

		PROD-S											
		PROD-1	•								E(0)	0.06	000
		CHL-A P	•32	·	1•41	(	85.				0XY•	6.00 6.00 6.00 6.00 7.00 7.00	0 000 00 00 00 00 00 00 00 00 00 00 00
	WEA 60 VIS 7	NITR. CH	-0	,	-	•	0			ALUES	GEOPOT. ANOMALY	0.000 0.000 0.003 0.114	0.172 0.229 0.273 0.348
	SDG 192 V RELHU 87	SIL. N								PUTED VI	SP.VOL.	429•7 411•2 356•5	1001 1001 1000 1000 1000 1000
UES .	5W 59 8	PH0S.								INTERPOLATED AND COMPUTED VALUES	IGMA-T	23.60 23.80 24.38 24.84	22 22 26 26 26 26 26 26 26 26
OBSERVED VALUES	125- WE-	• XXO	6.33 6.56	6.47	60.9	5.76	4. 4. 4. 4. 4.	6 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2.23 2.16 1.87	RPOLATE	E(S) SI	0003	000 I 000 I 040 I
OBSE	3-17N LONG 3 DRY 10.2 16 SWL 1	SIGMA-T	23.60	23.61	24.07	24.30	24.65 24.81	25.11 25.52 26.11 26.46	26.55 26.60 26.67	INTE	SAL.	741 963 553 963	0000 0000 0000
287-080	LAT 48 AMT 8	SAL.	30 • 741 30 • 744	30.744	31,256	31.499	31 • 756 31 • 929	32.224 32.726 33.406 33.765	33.862 33.893 33.929	287-080	(F)	0.04 0.04 0.01 0.01	000 I
STATION	HR 21 15 CL 8 16 SEA	TEMP.	10.31	10.31	68•6	9.65	8.68 8.56	8.09 7.96 7.57 7.09	6.93 6.93 6.93 6.93	STATION	TEMP. E	10.31 10.17 9.45 8.51	7.95
	5/23/61 8A 5 DIR	DEPTH .	<b>0</b> 11	voo	14		248 248	38 76 95	119 143 166		DEPTH .	0000	50 100 150
	ATE ECDI VEL 1	AST			-	-							

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		S-0									
		PROD-S									
		PROD-1							E(0)		000
	,	CHL-A P	20 20 53 53	•76	•84				OXY.	0.00 0.00 0.00 0.00 0.00 0.00	4 . 2 . 2 . 2 . 2 . 2 . 2 . 2 . 2 . 2 .
	WEA 03	•	00 00	900	0 4 W	omno	<b>6</b> 0	UES	GEOPOT.	0.000 0.040 0.078 0.115	0.183 0.256 0.314
	ľ	NITR	217	21 18 21	230	200 200 280 28	29	) VAL		ioio m m	0 O O M
	DG 236 RELHU 7	SIL	44 7E	44 38 41	4 4 W	₩4₩ ₩4₩0	9	COMPUTED VALUES	SP.VOL.	399 387 374	018 008 009 04
VALUES	124-42W S WET 9.5 JIR 21 WA	PHOS.	2.09	000 000 040	2.19 2.32 2.11	2.09 2.09 2.63 2.63	2.91		SIGMA-T	23.92 24.05 24.19 24.32	24 • 76 25 • 37 25 • 99
OBSERVED VA		oxy.	5.59	ກ. ອ. 91 ກ. 22	5.07 4.92 4.83	4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2.32 2.12 1.96	INTERPOLATED AND	E(S) S		0003
OBSE	18-31N LONG 5 DRY 11.7 7 20 SWL 1	SIGMA-T	23.92	200 800 800 800 800 800	24 • 19 24 • 24 24 • 32	24.51 24.98 25.47 26.07	26.41 26.56	INTE	SAL.	31.041 31.205 31.362	31.845 32.527 33.240 33.857
287-081	6 AMT	SAL.	31.041	31.047 31.101 31.149	31.205 31.263 31.362	31.580 32.073 32.654 33.405	33.723 33.849 33.924	287-081	E(T)	99 <b>9</b> 9	000 000 000
STATION	HR 01 17 CL 20 SEA	TEMP.	9.80	9.08 9.09 9.02	8 • 94 8 • 84 8 • 84	8.69 8.16 7.790	7.16 6.84	STATION	TEMP.	9.00 9.00 9.00 9.00 9.00 9.00	8.40 7.94 7.55
	5/24/61 BA 7 DIR	DEPTH	on	100	300 300 300	39 79 99	123 148 172		DEPTH	3000	00 100 100 100
	CD1	ST			~~~		ผผผ				Σ

O.

		PROD-S										
		PROD-1								E(0)		00
			27	<b>→</b>						0XY•	5.64 5.39 4.78	4 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
	WEA 01	NITR. CHL-A	• (						VALUES	GEOPOT.	0.000 0.042 0.081 0.118	0.185 0.255 0.399 0.392
	188 -HU 84	SIL. N							COMPUTED V	SP.VOL.	428.3 404.9 370.9 362.4	312.6 245.0 187.7 144.5
VALUES	.24-03W SDG WET 8.6 REI	PHOS.							AND	SIGMA-T	23.62 23.87 24.22 24.31	24.84 25.56 26.16 26.62
OBSERVED VA	ONG 124-	• YX0	5.64	5.63	00.00 4 4 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	4 4 4 4 4 4 6 6 6 8 6	2000 1400 1400	2.05	INTERPOLATED	E(S)		9000
	-18N L DRY 1	SIGMA-T	23.62	23.64	23.79 23.87 24.18 24.22	24.31 24.31 24.58 25.11	25.70 26.16 26.50 26.50	26.63		SAL.	30.640 30.904 31.242 31.356	31.932 0 32.737 0 33.440
1 287-082	E LAT 48 8 AMT 3	SAL	30.640	30,656	30 845 30 904 31 198 31 242	31,362 31,356 31,638 32,239	32.899 33.440 33.806 33.915	33.917	1 287-082	E(T)		00
STATION	HR 05	TEMP.	9.74	9.71	00000000000000000000000000000000000000	88.99 8.05 1.05 1.05	7.64 7.37 7.01 6.72	6.71	STATION	TEMP.	90 90 90 90 90 90 90 90 90 90 90 90 90 9	8.34 7.76 7.37 6.72
	5/24/61 BA DIR	DEPTH	00	พพ	00110 00100	0.04.0 0.000	100 120 150 150	175		DEPTH	90 00	50 100 150
	DATE SECDI WVEL	CAST			папп	<b>нннн</b>		-				

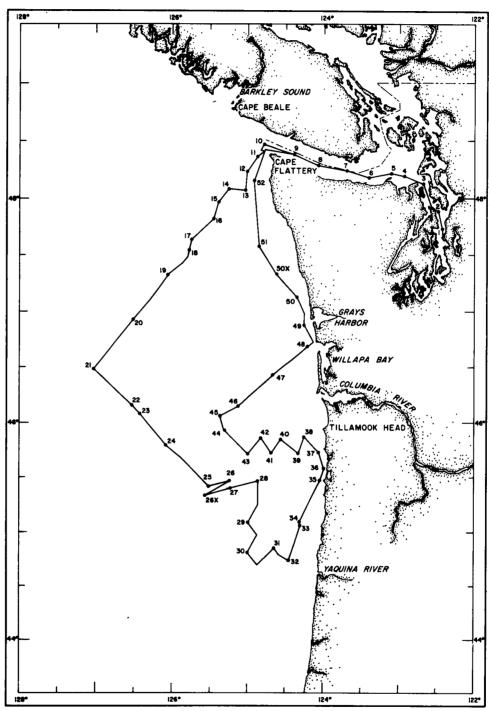


Fig. 6. Station locations Brown Bear Cruise No. 288, 9-19 June, 1961.

		PROD-S	5.82	•	04.0	0.12							
		PR00-1	0.00		. C	44.0				E(0)	0.00	0000	!
		CHL-A F	64°	•	•	-29				OXY.	4 6 8 9	2000 000 000 000 000 000	4 . 92
	WEA 02 VIS 7	NITR. CF	1.4.4 0.0	)	a	o o			ALUES	GEOPOT.	0.000 0.060 0.119 0.176	0.283 0.414 0.5444 0.844	1.054
	SDG 274 RELHU 75 \ 30. 13	SIL. N	22 1		0	42 1			PUTED V	SP.VOL. ANOMALY	598.4 599.5 578.4 550.2	524.9 522.5 518.9 506.6	504.9
UES	43	PHOS.	1 • 10		0				INTERPOLATED AND COMPUTED VALUES	IGMA-T	21.84 22.05 22.05	22.22.22.22.23.23.23.23.23.23.23.23.23.2	22.85
OBSERVED VALUES	46 122-25W 9 WET 11	• <b>XX</b> 0	6.04	6.08	6.03	5.82	ທທທາຍ • • • • • • • • • • • • • • • • • • •	44 766 786 786	POLATED	(S) S	4.1	0000	
OBSER	45N LONG DRY 13.9 7 SWL	SIGMA-T	21.84	21.82	21.83	22•02	22.33 22.64 22.64 22.68	22.79 22.84 22.88	INTER	SAL. E	28.588 28.566 28.743 040	29.365 29.399 29.451 29.554	29.570
288-001	LAT 47- AMT 8 DIR 1	SAL.	28.588	28.561	28•566	28,713	29.025 29.360 29.396 29.443	9 531 9 569 569	288-001	(T) S	28 28 28 30 28 29	000000000000000000000000000000000000000	!
STATION	HR 18 6 CL 4 7 SEA 5	TEMP.	0.88	0.86	0.84 2	0.37	9.98 9.88 9.880 9.880	9.00 9.00 9.40 0.00	STATION 2	EMP. E(	00.888 00.32 90.96	9.82 9.81 9.79 0.44	9.40
S	6/09/61 10 BA 3 8 DIR 1	DEPTH T	04	-		7 7 7 7 7	947 900 100 100	130 173 210	S	DEPTH T	9000	007 000 000 000 000	200
	CCD1 1	ST C	8	2	8	N	ดดดด			J		222	

		PROD-S									
		PROD-I				·		E(0)	000	000	
		CHL-A F						• XX0	ის დ. 0 - 0 - 0 0 - 0 - 0 0 - 0 - 0 0 - 0 - 0	5.23 5.07 5.07	
	WEA 46	NITR. C					VALUES	GEOPOT.	0.000 0.069 0.128 0.188	0 • 292 0 • 424 0 • 554 0 • 812	
	SDG 197 RELHU 77 1 20, 23	SIL.					COMPUTED V	SP.VOL.	736.9 631.8 554.0 553.0	531.8 521.8 518.2 514.7	
LUES	დ≱	PHOS.					AND	SIGMA-T	200 200 200 300 300 300 300 300 300 300	22.54 22.65 22.65 22.74	
OBSERVED VALUE	ONG 122-29W 1.1 WET 11	• \x 0	00.00 00.00 00.00 00.01	ບທູດທູ 4000 104ທ	5.03		INTERPOLATED	E(S) S	014 035 005	.013 .062 .054	
	17-54N LONG 8 DRY 14.1	SIGMA-T	200 200 200 200 200 200 200 200	22.30 22.52 22.68 22.68	22.81		INTE	SAL.	931 137 083 098	9.366 9.491 9.536 9.586	
288-002	LAT 47 1 AMT 8 DIR	SAL.	26.931 26.880 27.947 29.029	29.072 29.338 29.507 29.586	29.672		288-002	(£)	26 0•02 0•00 29 0•00 29	0.00 0.02 0.02 0.02 0.02 0.03 0.03	
STATION	21 CL 18 SEA	TEMP.	111 • 84 111 • 86 10 • 99 10 • 41	10.38 10.28 10.12	10.08		STATION	TEMP. E	11.84 10.87 10.38 00.37	0.27 0.20 0.16 0.12	
	6/09/61 8 BA 10 DIR	DEPTH	ON 9 B	28 122 150	179			DEPTH 1	0000	50 75 100 150	
	DATE SECDI WVEL 1	CAST	<b>พพ พพ</b>	ี ดดด <b>⊣</b>						ΣΣΣ	

PROD						
PROD-1			·		E(0)	
CHL-A					oxx.	00000 •000 •0000 •0000 •0000
WEA 02 VIS				VALUES	GEOPOT.	0.000 0.055 0.106 0.157
DG 35 RELHU 76 00 SIL•			!	INTERPOLATED AND COMPUTED VALUES	SP.VOL.	574•1 511•3 508•5 508•8
44 30 € 4 4 9 HG	<b>**</b> .10	_		ED AND C	SIGMA-T	22.09 22.75 22.78 22.78
N	ณ	5.24		RPOLAT	E(S)	
-09N DRY 27 SM	222 222 22557 2257	22.78			SAL.	28.911 29.634 29.659 29.666
LAT O DI SAL	28.911 29.432 29.634 29.659	29,666		500 <b>-882</b> 7	E(T)	10101010
120 CL 2 SEA TEMP.	10 10 10 10 10 10	10.24		NOT A LO	TEMP.	10.86 10.27 10.20 10.24
6/10/6 7 BA 5 DIR DEPTH	00000	30			DEPTH	3000
DATE SECDI WVEL CAST	ุกทุกก	N				

PROD-S					
PROD-1			E(0)		1
CHL-A			• XX0	444 684 675 757	4 20 3 59
WEA OP VIS 7		/ALUES	GEOPOT.	0.000 0.0047 0.091	0.208 0.291
DG 91 RELHU 87 00 S <i>i</i> L•		AND COMPUTED VALUES	SP.VOL.	4470 455 995 990 190 190	362.0 300.8
υ <u>≠</u> 0		ED AND CO	SIGMA-T	23.17 23.34 24.02	24.32 24.97
≥ ār o 4444	4400	INTERPOLATED	E(S)		!
81 0 N N N N N N N N N N N N N N N N N N			SAL.	30.078 30.279 30.505 31.041	31 • 389 32 • 107
288- LAT 0 DE 300-00 300-2	31.041 31.9389 32.389	7 288-004	E(T)	,,,,,,	
STAT 117 27 27 1EMP 9•77 99•77	9.16 8.97 8.22 8.22	STATION	TEMP.	9.79 9.72 9.70 9.16	8.97 8.40
6/10/6 3 DIR DEPTH 0 10 20	30 70 90		DEPTH	9800	50 75
DATE SECDI WVEL CAST	N N				Σ

	PROD-S							
	PROD-1					E(0)		001
	CHL-A P					0XX•	5.29 5.13 4.85 77	4.3 3.4 4.0 4.0 8.0 8.0 8.0
20.7	S S				Ŋ	OT.	0404 0800	225 315 390 521
WEA VIS	NITR.				VALUES	GEOPOT ANOMALY	000 000 000 0404 080	0000
SDG 282 RELHU 81	SIL.				COMPUTED	SP.VOL.	480.5 474.4 455.9 450.7	399.5 318.0 281.6 242.8
123-07W SE WET 9.9 P DIR WA (	PH0S.				AND	SIGMA-T	23.07 23.33 23.33 23.33	23.93 24.79 25.17 25.59
ပ္ ဖ	• YX0	ບທ.4 •••• ທ.ດ.1 ຜ ຍົນພະຕ	4. 17 4. 17 4. 13 4. 44	3.15	INTERPOLATED	E(S)		000000000000000000000000000000000000000
-14N DRY 23 SW	SIGMA-T	23.00 23.00 23.00 24.00 24.00	23.39 23.93 24.77 25.16	25.52 25.58		SAL.	30.032 30.079 30.262 30.310	30.916 31.905 32.345 32.794
A A A	SAL.	30.032 30.034 30.079	30.320 30.916 31.881 32.328	32.714 32.781	  288-005	E(T)	,,,,,	001
18 CL 23 SE	TEMP.	10.20 10.18 10.02 9.69	9.62 9.13 8.57	7.91 7.84	STATION	TEMP.	10.00 9.00 9.60 9.60 9.60	9.13 8.56 8.27 7.83
6/10/61 BA 3 DIR	DEPTH	00000	000 7 0	129 159		DEPTH	9000	50 75 100 150
DATE SECDI WVEL	CAST	нннн						

	6/10/61 HR 05 LAT 48-12N LONG 123-24W SDG 137 WEA [ BA 17 CL 9 AMT DRY 10.7 WET 10.0 RELHU 92 VIS 7 [ 2 DIR 28 SEA 1 DIR 28 SWL 1 DIR WA 01	PHOS. SIL. NITR. CHL-A PROD-I			
ALUES	-24W S T 10.0				
OBSERVED VALUES	NG 123	oxy.	0444 080 087 087	46 34 400 400 400 400 400 400 400 400 400	0
	1-12N LOI DRY 10 28 SWL	SIGMA-T	00000 0000 0000 0000 0000	2002 2008 4000 4000 4000 8000	20.50 10.30 100.55 03.55
STATION 288-006	5 LAT 48 9 AMT 4 1 DIR	SAL.	30.303 30.526 30.672	31.513 31.857 32.979 33.134	190 . 55
STATION	1 HR 05 17 CL 28 SE/	TEMP.	0000 0000 4000 4000	88.87 48.87 48.05 48.05	1
	6/10/6 BA 2 DIR	DEPTH	0000	0000 0000 0000	100
	DATE SECDI WVEL	CAST	HHHH	t mmmm	-

PROD-S

	E(0)		
	0XY•	0444 0700 0700	3.79 3.07 2.90
VALUES	GEOPOT.	0.000 0.0040 0.0844 0.121	0.188 0.256 0.312
	SP.VOL. GANOMALY A	4556 4726 376 356 356 356 356	321.0 228.1 216.1
IN EXPORATED AND COMPOSED VALOES	SIGMA-T	2000 800 800 800 800 800 800 800 800	24.75 25.73 25.86
ב ארכור א האנונים האנונים	E(S)		
	SAL.	30.303 30.672 31.201 31.513	31.857 32.979 33.134
SIA110N 288-006	E(T)		
77 1 1 10	TEMP. E(T)	0000 0000 4400 4840	8.54 7.84 7.78
	DEPTH	9000	50 100

	PROD-S								
	PROD-I				·		E(0)		;
	CHL-A F						0XY.	0444 0000 4000	3.79 3.14 2.81 2.00
WEA 02 VIS	NITR. CH	•			Н		ANOMALY	0.000 0.0045 0.086 0.125	0.192 0.260 0.316 0.405
SDG 181 W RELHU 81	SIL. NI				Ay Gatigmon	•	ANOMALY A	474•1 421•7 394•6 374•6	3083 2083 2068 0.00 1488 20
~ ~ ~	PHOS. S					3	<b>-</b>		94 979 58
123-42W WET 11.0 DIR 24 W	OXY. P	98 76 76		0.07	NATED OF ATED.		) SIGMA	23.14 23.669 23.988 24.19	4 W W W
	Ļ.	N444	4 W W W	53 2	COOL		E(S		]  - 
48-16N LONG DRY 11.7 R SWL 1	SIGMA	23.14 23.37 23.69 23.98	24.19 25.94 25.59	26. 26.			SAL.	30 • 139 30 • 727 31 • 046 31 • 275	32.086 32.796 33.231 33.879
LAT 48- AMT 0 DIR	SAL	30.139 30.333 30.727 31.046	31.275 32.086 32.796 33.231	33,822 33,833	00 - 00 - 00 - 00 - 00 - 00 - 00 - 00		E(T)		
HR 08 18 CL 27 SEA	TEMP.	10.30 9.78 9.72 9.48	9.27 8.47 7.86 7.60	6.87 6.87	1 A A		TEMP.	10 30 9 72 9 48 9 27	8.47 7.86 7.60 6.80
6/10/61 BA 6 DIR	DEPTH .	00000	30 75 100	180			DEPTH	0000	50 100 150
DATE SECDI WVEL	CAST								

	•	PROD-S	20.78												
		PROD-I	1.65		,	20.1							E(0)		;
		CHL-A PI	74.	ò	C	• 22				•			oxx.	5.19 4.45 4.45	4 E S S S S S S S S S S S S S S S S S S
	WEA 02 VIS 8	NITR. CH	o c	•	(	9 0						ALUES	GEOPOT.	0.000 0.0043 0.083	0.192 0.274 0.339
	SDG 1920 RELHU 86 1 05	SIL. N	•									COMPUTED VALUES	SP.VOL.	440.4 415.7 372.3 369.2	354.7 301.4 220.6
ALUES	124-04W SI WET 9.4 F DIR 04 WA 0	PHOS.										AND	SIGMA-T	23.49 23.49 24.21 24.24	24 • 40 24 • 96 25 • 82
OBSERVED VALUES	LONG 124 10.6 WE	r oxy.	5.19	5.10	4.75	4.45	4.24.27		2.23			INTERPOLATED	E(S)		1
_	3-18N 5 DRY 04 SI	SIGMA-T	23.49	23.53	23,75	24•21	24.24 24.40 24.40		26.47				SAL.	30.502 30.767 31.266 31.301	31.477 32.112 33.060 33.862
1 288-008	3 LAT 4	SAL.	30.502	30.549	30.767	31.266	31.301	33.060	33.772 33.864			1 288-008	E(T)	,,,,,,	,,,,,,,
STATION	17 TR 04 SI	TEMP.	98•6	9.85	9.52	9.08	9.04 8.92		7•00			STATION	TEMP.	99.08 9.08 9.08 9.04	8.92 8.47 7.71
	6/10/61 10 BA 3 DIR	DEPTH	04	ሰነ	0,0	20 20 7	30 50 50	100	139 179				DEPTH	3000	00 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	DATE SECDI WVEL	CAST		-		<b>.</b>		• •							
			_ ^ _	-											

		PROD-S								
		PROD-I					E(0)			
		CHL-A P					0XY•	5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	4.04.0 4.04.0 4.04.0	2.06
	WEA 03	NITR. CH				VALUES	GEOPOT. ANOMALY	0.000 0.039 0.077 0.113	0.181 0.249 0.301 0.386	0.462
	SDG 247 W RELHU 94	SIL. NI				COMPUTED VA	SP.VOL. GANOMALY A	395.0 383.1 367.2 362.6	309 234 185 174 9	149.9
UES	~ ¥ ~ ¥	PHOS.				N N N	SIGMA-T A	23.97 24.09 24.26 24.31	24.88 25.67 26.19 26.51	26.58
ORSERVED VALUES	NG 124-23W 6 WET 10 1 DIR 27	• YX0	2000 4000 7004	3.51 3.61 3.01 70 70	2.24	INTERPOLATED	E(S) S			
	-24N DR 00	SIGMA-T	000 000 000 000 000	24.31 25.64 26.19	26.51 26.58		SAL.	31.293 31.370 31.484 31.510	32.157 32.915 33.506 33.826	33.877
288-009	LAT 48	SAL.	31 • 293 31 • 330 31 • 380 31 • 484	31.520 32.157 32.915 33.506	33.826 33.877	- 288-009	E(T)	,	.,,,,,,	•••
STATION	HR 14 14 CL 00 SEA	TEMP.	10.70 10.58 10.35 9.82	9.068 7.94 7.534	7.01 6.86	STATION	TEMP.	10.70 10.35 9.82 9.68	9.26 7.94 7.53 7.01	6.86
	6/10/61 7 BA DIR	DEPTH	N-100	30 75 100	150 200		DEPTH	0000	50 75 100 150	200
	DATE SECDI WVEL	CAST		пппп						

		STATION	ATION 288-010	OBSERVED VALUES	'ED VAI	LUES					
DATE SECDI WVEL	6/10/61 10 BA 4 DIR	1 HR 16 13 CL 3 27 SEA 5	LAT 48 AMT 8 5 DIR	LONG 111-1	WET DIR	124-47W SI WET 10.6 F DIR 27 WA (	SDG 282 RELHU 94 1 03. 03	WEA 03	നമ	٠	
CAST	DEPTH	TEMP.	SAL.	SIGMA-T	oxy.	PH0S.	SIL	NITR.	CHL-A	PROD-1	PROD
	ວທຸ	11.66	31.210	23.73	4.09 8.09 8.09	1.22	230	10.8			
	50 50 50 50 50 50 50 50 50 50 50 50 50 5	11•14 9•32	31.553		2.88 4.88	2.03	6 4 8 6	24.5			
(	00 m	00°00°00°00°00°00°00°00°00°00°00°00°00°	31.649	24 • 51 24 • 51 26 • 51	4.36	2°34 2°44	4 4 8 8	24•7 25•6			
nu	100	7.98 7	33,386		3. 3.16 3.16	2.44					
ณณณ	150 200 250	7 • 16 6 • 95 6 • 54	33.778 33.870	26 26 26 36 36 36 36	2.43	2.04 0.04 0.04	ເນ ເນ <b>ດ</b> ພ <b>4</b> ທ	32 44 5	,		

	STATIO	STATION 288-010		TERPOLA	INTERPOLATED AND COMPUTED VALUES	OMPUTED \	ALUES		
DEPTH	TEMP.	E(T)	SAL.	E(S)	SIGMA-T	SP.VOL.	GEOPOT.	• XX0	E(0)
9000	9.32 9.32 9.09		31.200 31.200 31.5549 31.6553		23.73 24.86 24.40 24.51	417 405 355 344 1	0000 0000 00000 00000 00000	4044 888 888 888 12	
1000 1000 1000	8.96 8.18 7.88		31.806 32.734 33.386 33.778		26.05 26.05 26.05 26.05	330.9 251.1 198.8 160.5	0.182 0.255 0.311 0.401	4	
900	6.9 0.0 0.0		33.860		26.56	151 •6	0.479 0.479	2.16	

		PROD-S	28 • 28	• D	2.74	0.32				ø				
		PROD-I	3.46	•	4.57	5.03					E(0)	0.00	00000	0.01
STATION 288-011 OBSERVED VALUES		4	•37	ì	•16	•42					• XX0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	200 200 200 200 200 200 200 200 200 200	2.15 1.62
	ONG 124-52W SDG 320 WEA 3.3 WET 10.8 RELHU 73 VIS 1 DIR 20 WA 18, 20	10 73 VIS 20 IL• NITR• CH	40	•	1.2	1.1			VALUES	GEOPOT.	0.000 0.052 0.100 0.147	0.228 0.294 0.335 0.415	0.491	
			44	t	10	11		COMPUTED V	SP.VOL. ANOMALY	521 • 5 501 • 2 469 • 4 462 • 8	351.7 171.3 162.8 154.5	149.8		
		PH0S•	47.0	•	0.72	0.73				AND	SIGMA-T A	222.64 23.19 23.19	266.43 266.43 266.43 267 267 267	26.58
		• ××0	6.44	6.41	6.46	1	200 200 200 200 200 200 200 200 200 200	2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		INTERPOLATED	E(S) S	• • • • • • • • • • • • • • • • • • •		000
	23N L DRY 1 5 SWL	SIGMA-T	22.64	22.86	22.67	•	23 24 26 26 26 26 26 26 26 26 26 26 26 26 26	26.51 26.56 26.56		IN I	SAL.	0.184 0.453 0.806 0.819	3.695 3.695 3.777 3.855	3.898 0 3.938 -
	LAT 48- AMT 2 DIR 1	SAL.	30.184	30.215	30 • 453	•	30.815 31.325 33.586 33.759	33.847 33.889 33.930 33.957		288-011	E)	000 000 000 000	.02 31 .03 33 .00 33	333
	HR 18 3 CL 5 SEA	EMP.	3.26	3.20	3.22	7	2.73 9.18 7.68	7.15 7.03 6.62		STATION	EMP. E	2.22	8.96 0 7.59 0 7.38 0	a 76•9
	6/10/61 8 BA 1 6 DIR 1	ОЕРТН Т	0,	າທ	00	0	29 48 71 95	143 190 238 282		U)	DEPTH T	3000	50 75 100 150	200 250
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		PROD-I F						E(0)		000	- · ·
		⋖						• • •	0004 0048 0048	640 4040 4786	1 • 89
WEA 63		NITR. CHL-				VALUES		GEOPOT.	0.000 0.0046 0.090 0.127	0.182 0.237 0.284 0.368	0.443
	SDG 246 V RELHU 99 1 15, 05	SIL. N					COMPUTED V	SP . VOL . ANOMALY	448888 48884 4889 4999	244•3 193•7 184•1 151•3	148.7
LUES	125-01W SDO WET 11.7 RE OIR WA 19	PHOS.					AND	SIGMA-T	23.36 23.37 23.61 24.87	25 26 26 56 56 56 56 56 56	26.59
OBSERVED VALUES	LONG 125- 11.8 WET /L 2 DIR	SIGMA-T OXY.  23.36 6.62 23.37 6.65 23.37 6.65 23.37 6.65 23.61 24.87 4.82 25.09 2.67 26.55 2.67 26.57 1.90	46.00 044.00	.55 2.06 .57 1.90 .73 1.87	E(S) S		• 006 • 008				
08SEF	48-16N LO				SAL.	30.845 30.854 31.040 32.155	32.806 33.376 33.493 0	33.876			
288-012	LAT AM DI	SAL.	30 • 848 30 • 848 31 • 050	32.155 32.806 33.376 33.468	33.842 33.861 33.982		288-012	E(T)	()()()	0000	
STATION	HR 04 14 CL 18 SEA	TEMP.	12.16 12.15 12.16 11.65	9.28 8.11 7.49 7.43	6.87 6.82 6.33		STATION	TEMP.	12.16 12.16 11.65 9.28	8.11 7.49 7.49 7.80	6.76
	6/11/61 BA 5 DIR	DEPTH	00 00 00 00	30 50 50 50 50	145 193 232			DEPTH	3000	50 100 150	200
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		PROD-S									
		PR0D-1						E(0)		00	01
								• ××0	6.34 6.29 5.15 4.97	3.68 2.61 2.61	2, 10 1,89
	WEA 02 VIS	NITR. CHL-A					VALUES	GEOPOT.	0.000 0.045 0.085 0.120	0.242 0.242 0.291 0.372	0.448 0.521
OBSERVED VALUES	SDG 298 RELHU 99 A 10 09 09 0	SIL. N					COMPUTED V	SP.VOL. ANOMALY	449 4420 3640 441	268.7 219.1 170.3 153.9	149•4 141•7
	AMT 4 DRY 11.7 WET 11.7 DIR 30 SWL DIR WA	PHOS.	6 34 6 34 6 34 6 34 6 34 6 34 6 34 6 34	2 2 4			SIGMA-T	00000 0000 0000 0000 0000 0000	200 200 200 200 200 200 200 200 200 200	26.58 26.67	
		0X		2.26 2.12 1.90 1.89		INTERPOLATED	E(S)		0.001	0.001	
_		SIGMA-T	23.46 23.46 24.46 24.46	24 25 25 26 36 36 36 36 36 36 36 36 36 36 36 36 36			SAL.	30.987 30.996 31.564 31.800	32.532 33.139 33.687 33.866	33.900 33.966	
288-013	3	SAL	30.987 30.992 30.996 31.564	31.810 32.532 33.139 33.687	33.863 33.906 33.964 33.979		4 288-013	E(T)		00 • 0	000
STATION	HR 07 18 CL 30 SEA	TEMP.	12.22 12.18 12.20 10.02	0000 0000 0004 0004	7.16 7.03 6.70 6.55		STATION	TEMP.	122 122 100.00 100.00 689	88.09 7.00 90.00 91.00	7.01
	6/11/61 BA 5 DIR	DEPTH	0100 0100	30 50 100	148 197 247 296			DEPTH	9000	50 100 150	200 250
	DATE SECDI WVEL	CAST	ოოოო	ოოოო	N					Σ	ΣΣ

		PRO			
		PROD-1			
	1	CHL-A			
	WEA	SIL. NITR.			
	SDG 325 2 RELHU 99 WA 05, 02	SIL			
ÆS	5W SD 12.2 R WA 0	PHOS.			
OBSERVED VALUES	LONG 125-15W 7 12.2 WET 12.2 SWL DIR WA	oxx.	666 666 661 661 664 664 664	4046 4046 4086 404	2003 2000 1000
SIATION 288-014 OBSERV	OZN LON DRY 12.	SIGMA-T	0000 6000 0000 0000	24.58 25.21 25.63 26.12	26.49 26.57 26.71
	HR 07 LAT 48-07N CL 6 AMT 7 DRY SEA 1 DIR SI	SAL.	31.291 31.291 31.299 31.465	31.709 32.511 32.906 33.482	33.819 33.881 33.971
		TEMP.	12.75 12.76 12.76 9.26	8.94 8.86 8.18 7.92	7.17 6.94 6.40
	6/11/61 BA DIR	DEРТН	2000 0000	30 750 100	149 199 249
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	E(0)		; 0 <b>-</b> 0	
	• XX0	6.10 6.10 6.16 6.16 7.00	10 4 E V	1.99
VALUES	SP.VOL. GEOPOT. ANOMALY	0000 0000 0000 04801 0481	0 • 1 7 9 0 • 2 4 4 0 • 3 9 8	0.462
INTERPOLATED AND COMPUTED VALUES	SP.VOL.	430 430 360 337 5	277.0 238.3 192.2 157.3	150.4
TED AND	SIGMA-T	00000 00000 00000 00000	25.00 25.00 20.00	26.57
TERPOLA	E(S)		0.001	•
	SAL.	31.291 31.299 31.465	32.511 32.906 33.482 33.821	33,883
STATION 288-014	E(T)		00	1
	TEMP.	12.75 12.75 13.75	8 8 86 8 18 7 92 7 16	6.93
	DEPTH	0000 MM	50 75 100 150	200

		PROD-S	45.92																
		PROD-1	2.82	3.16		Z•48	0.83												
	7	CHL-A	0.97	0 • •	,	18.0	0.50			,									
	WEA VIS	2 T Z																	
	SDG 642 RELHU 76 A 00• 00	SIL.																	
-UES	125-23W SD WET 10.0 R DIR 06 WA 0	PH0S.																	
OBSERVED VALUES	G 125-7 2 WET DIR (	• \x0	6.40	6.38		4.73	•	4.47	5.82	4 ι. 4 α.	0	3.01	2.50	2 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0	1.77	53	100	0 • 0	0.76
OBSER	LAT 48-00N LONG AMT 9 DRY 12.2 1 DIR 33 SWL 4	SIGMA-T	23.20	23.21	23.49	24.31	)	24.69	25.23	20.00	00.00	26.40	26.52	26.66	24.72	26.81	26.88	06.007	27.04
ON 288-015	6 LAT 48- 6 AMT 9	SAL.	30.764	30,783	31,007	31.436		31,837	32.511	32,903	100	33.777	33,888	33.966	44.088	34.018	34.061	04.10	34.156
STATION	HR 12 16 CL 6 33 SEA	TEMP.	12.70	12.70	12.16	9.29		0		00 00 00 00 00	•	រណ្	<u>س</u> د	6.76	4	0	50°50	•	4 • 88
	6/11/61 8 BA 3 DIR	DEPTH	01	າທ	0,					200	)	WI.	າ ຄ	200	ເ	0	4 R 0 C	•	299
	DATE SECDI WVEL	CAST	ณ	N	N	8	ı	a	N	NV	i	<b>W</b>	M	V	-	٠.		-	-

E(0)	0.14			
• YX0	00044 00044 000 000 000 000 000	0.46 0.46 0.00 0.00	2.03 1.77 1.53 1.13	06.0
GEOPOT.	0.00 0.00 0.00 0.00 0.00 0.121	0.181 0.245 0.299 0.387	0.461 0.531 0.597 0.722	0.840
SP.VOL.	4468 4410 3620 3620 900	275.4 238.6 195.7 154.2	141.9 136.3 128.1 122.6	114.1
SIGMA-T	004 004 004 004 004 004	25.23 25.62 26.08 26.52 26.53	26.66 26.72 26.81 26.88	26.98
E(S)				
SAL.	30.764 31.007 31.436 31.837	32.511 32.903 33.466 33.888	33.966 33.988 34.018	34.116
E(T)				
TEMP.	12.70 12.16 9.29 8.87	8.75 8.19 8.08 7.30	0 9 8 8 7 4 8 8 0 8 9	5.14
DEPTH	3000	100 100 150	0000 0000	500
	SP.VOL. GEOPOT. TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  12.70 30.764 23.49 441.1 0.046 5.88 9.29 31.937 24.31 362.8 0.086 4.73 8.87 31.837 24.69 326.9 0.121 4.47	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY.  12.16 9.29 31.007 23.49 441.1 0.046 5.88 9.29 31.436 24.31 362.8 0.000 6.40 7.30 32.511 25.23 275.4 0.181 5.82 8.15 8.08 7.30 33.466 26.52 154.2 0.387 2.50	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY OXY.  12.16 9.29 31.007 23.20 468.5 0.000 6.40 9.29 31.436 24.31 362.8 0.086 4.73 8.75 8.75 8.75 8.08 9.29 32.511 25.23 275.4 0.181 5.82 8.08 8.08 33.988 26.72 136.3 0.531 1.77 5.88 9.40 9.29 9.29 9.29 9.29 9.29 9.29 9.29 9.2

		PROD-S					
		PROD-1		,			
	7	CHL-A					
	WEA 1 VIS	NI TR					
	DG 1010 RELHU 71 15. 15.	SIL					
UES	7W S 10 • 3 R	PHOS.					
OBSERVED VALUES	125-2 8 WET DIR 2	• <b>XX</b> 0	6.16 6.17 6.63 6.53	24.00 24.00 24.00 20.00	0001  7400 0400	1100 0004 0004	00.31
OBSER	1 47-50N LONG 4T DRY 12.8 31R SWL	SIGMA-T	23.54 23.58 24.79 25.11	25.27 25.64 26.11 26.33	26.55 26.55 26.55 26.55	26.79 26.91 27.02 27.11	27.23 27.35
288-	LAT 47. AMT DIR	SAL.	31.358 31.388 32.215 32.467	32.553 33.008 33.750	33. 33. 33. 9003 33. 9003	34.020 34.073 34.139	34 • 296 34 • 381
STATION	1 HR 15 14 CL 32 SEA	TEMP.	13.28 13.19 10.06 9.30	8.72 8.61 8.30 7.90	7.447 7.022 7.006 7.406	0044 0040 000 000 000	4.13
	6/11/6 17 BA 2 DIR	ОЕРТН	8000 0000	48 72 97 121	244 244 244	298 488 2088 2088	782 978
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	E(0)	00.00	0000	0000	000
	0XX•	6.16 6.17 6.64 6.57	6.26 4.79 3.61 2.66	2.50 1.688 1.51	0000 0000 0000 0000
ALUES	GEOPOT.	0.000 0.044 0.081 0.111	0.166 0.229 0.281 0.368	0.444 0.514 0.581 0.705	0.819 0.924 1.022
OMPUTED \	SP.VOL. ANOMALY	4435 431 431 831 85 85 85 85 85 85 85 85 85 85 85 85 85	269.4 231.2 189.6 158.2	144.8 136.0 129.2 119.1	100 100 95 6
INTERPOLATED AND COMPUTED VALUES	S1GMA-T	23.00 20.00 20.00 20.00 20.00 20.00	25.30 25.70 26.14 26.48	26.63 26.73 26.80 26.92	27.03 27.12 27.19
TERPOLA.	E(S)	0 0 0 0 0 0	0000 0000 0000 0000	0000 0000 0000	0000
	SAL.	31.358 31.358 32.259 32.475	32.582 33.079 33.581 33.854	33.953 33.995 34.024 34.079	34.147 34.211 34.260
STATION 288-016	E(T)	00.00	0000	0000	000
STATIO	TEMP.	13.28 13.19 9.91 9.25	8.58 8.58 7.41	0000 0000 0000 0000	4 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	DEPTH	3000	50 100 150	0000 0000	0000 0000

PROD-S 3.556 3.966 1.70	
-45W SDG 1392 WEA -45W RELHU VIS 28 WA PHOS. SIL. NITR. CHL-A PROD-I 0.74 13 0.30 0.61 0.75 6 0.39 0.64 0.77 6	09.0
CHL-A 0 • 30 609	0.33
WEA VIS VITR.	1.7
SDG 1392 WA RELHU WA 1392 176 259	ø
UES ES WA PHOS. 0.74	0.81
G 125-4 WET DIR 2	
OBSEK 39N LON DRY SWL 1	
ON 288-017 OBSERVED VALUES 18 LAT 47-39N LONG 125-45W 11 AMT 1 DRY WET SEA DIR SWL 1 DIR 28 1 SAL. SIGMA-T OXY. PH 000000000000000000000000000000000000	
TEMP SC	
6/11/61 13 BA 6 DIR DEPTH 18	35
DATE SECDI WVEL CAST	_

STATION 288-017 INTERPOLATED AND COMPUTED VALUES

NO INTERPOLATED AND COMPUTED VALUES

		PROD-S							
		PROD-I							
	00.	CHL-A						,	
	WEA VIS	NI TR	o o	13.9	27.3	29•1 31•1	34.7 40.7 41.7	40 <b>.</b>	
	SDG 1374 O RELHU 66 BTMCODE 1 W	SIL	411 13 71	16 22	<b>4</b>	4000 0000 0000	77 90 104 120	132	Ľ
.UES	125-47W WET 10. DIR	PH0S.	0000 4488 8004	1 • 1 4 0	2.32	44.00 1000 1000	2.89 2.77 3.26	3.36 3.36 3.30	
OBSERVED VALUES		• <b>XX</b> 0	00.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.4 0.4 0.4 0.0 0.0	• •	20.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1100 •••0 ••0 ••0 ••0 ••0 ••0 ••0 ••0 ••	0000 8.000 9.000 9.000 9.000	•
OBSER	47-34N LONG T 2 DRY 13.3 IR SWL 2	SIGMA-T	23.75 23.79 23.99 24.83	25.24	9	26.40 26.55 26.55 26.79	26.81 26.94 27.04 27.13	27.28 27.37 27.47	S
288-018	4 AMT 2 1 DIR	SAL.	31.649 31.649 31.778 32.256	32.533 32.723	ກໍຕໍ	33,803 33,919 33,929 33,989	34 030 34 092 34 145	34.333 34.396 34.473	-
STATION	HR 21 16 CL SEA	TEMP.	13.36 12.16 10.00 10.00	8.80 8.19	00	7.68 7.31 7.03 6.50	00.44 00.00 00.00 00.00	3.00 3.00 3.15 3.15	١
	6/11/61 17 BA DIR	DEPTH	9800	50 250		150 200 242	2991 388 388 335	777 971 1165	ľ
	DATE SECDI WVEL	CAST	ოოოო	<b>m</b> m	നന	ოო⊶⊷	пппп	-00	c

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• XX0	6.32 6.32 7.44 6.34	0449 0410 0710	2.13 1.89 1.58 0.97	0000 0000 0000 0000 0000	0.33 0.48
GEOPOT.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.176 0.242 0.299 0.391	0.5469 0.5540 0.606 0.727	0.839 0.941 1.036 1.125	1.289
SP.VOL.	441 392 393 40 60 60 60 60 60 60 60 60 60 60 60 60 60	274.5 252.0 201.9 165.8	148.3 135.8 127.3 115.5	107.0 98.3 91.6 85.8	78•0 68•7
SIGMA-T	23.75 23.75 23.99 24.83	25.52 25.24 25.48 26.01 26.40	26.59 26.73 26.82 26.96	27.05 27.15 27.23 27.23	27.39
E(S)			0000	0000	00000
SAL.	31.649 31.649 31.778 32.256	32.533 32.723 33.367 33.803	33.929 33.9997 34.099	34.154 34.219 34.387 34.342	34.409 34.483
E(T)			000	0000	00.00
TEMP.	8000 1100 1000 1000	8 8 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	7.00 8.00 8.00 8.00 8.00 8.00	444 444 441 441 444	3.53
DEPTH	9000	30 100 120	0000 0000	8 76 0 0 0 0 0	1000
	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  13.36 13.16 13.16 13.16 13.16 12.64 31.778 23.75 415.6 0.000 6.17 2.64 31.778 23.79 415.6 0.002 6.17 6.35 10.00	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY OXY.  13.36 13.16 13.16 13.16 31.649 23.75 12.64 31.778 23.75 415.6 0.000 6.17 12.64 32.256 8.19 32.723 25.24 274.5 0.176 6.45 8.80 32.723 25.48 25.48 25.20 0.242 4.45 6.45 8.00 33.367 25.40 165.8 0.391 2.95	TEMP. E(T) SAL. E(S) SIGMA-T ANOMALY ANOMALY ANOMALY OXY.  13.36 12.64 12.64 10.00 32.256 8.19 8.80 8.19 8.00 32.533 25.24 274.5 8.00 33.929 7.68 8.19 7.68 7.03 7.68 7.03 7.03 5.24 7.03 7.09 5.25 7.00 34.036 7.00 34.036 7.00 34.036 7.00 34.036 7.00 34.039 7.00 34.036 7.00 34.036 7.00 34.036 7.00 34.036 7.00 34.036 7.00 34.036 7.00 26.82 115.5 0.07 27 26.96 115.5	TEMP. E(T) SAL. E(S) SIGMA—T ANOMALY ANOMALY ANOMALY OXY.  13.36 12.64 12.64 12.64 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.257 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.256 31.649 32.653 32.653 32.653 33.669 33.669 34.154 0.000 27.05 26.96 115.65 0.077 0.0839 0.061 27.15 91.65 91.65 0.031

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		PROD-S						
		PROD-I						
	N <b>0</b> 0	CHL-A						
	WEA 0	Niπ.						
	SDG 1774 RELHU 6: 18, 20,	SIL						
S I O	0,₹	PH0S.					•	
UBSERVED VALUES	16 126-04W 4 WET 8	• ××0	6.12 6.15 6.69 6.82	0000 0000 4000 4000	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 0444 0474	0.93
2000	-20N LONG DRY 12.4	SIGMA-T	24.01 24.00 24.67 24.99	25.30 25.58 26.06 26.31	26.41 26.55 26.55 26.55	26.73 26.87 27.11 27.10	27.26 27.38 27.47 27.54	27.62
610-002	3 AMT 4 30	SAL.	31.959 31.985 32.500 32.578	32.604 32.864 33.454 33.737	33.801 33.851 33.898 33.958	33.989 34.049 34.210 34.182	34.324 34.408 34.467 34.513	34.564
201 4 6	1 HR 07 18 CL 30 SEA	TEMP.	13.27 13.12 12.02 10.53	8.78 8.29 8.12 7.94	7.65 7.31 7.20 6.82	603 603 603 603 603	4.006 3.05 2.12 7.22	2.34
	6/12/61 BA 5 DIR	DEPTH	3000	50 75 100 124	149 174 199 235	283 381 578 586	778 980 1179 1373	1580
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	• XXO	66.12 6.05 82 82 82	ტ დ ო ო • • • • • • მ დ დ დ • მ დ დ დ	2.69 2.25 1.81 1.19	0 0 0 0 0 0 0 0 0	00.35
ALUES	GEOPOT.	0.000 0.039 0.075 0.106	0.163 0.227 0.282 0.373	0.452 0.526 0.594 0.722	0.838 0.944 1.042 1.132	1.297
OMPOTED V	SP.VOL.	391 • 1 386 • 6 328 • 8 297 • 7	269.0 243.0 197.1 165.2	152. 141. 134.2 124.2	110.7 101.3 93.5 87.3	77.3
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	244 244 244 244 244 244 244 244 244 244	255.30 255.58 26.06 41	26.55 26.67 26.75 26.89	27.01 27.12 27.21 27.28	27•39 27•48
ERPOLA	E(S)		000 • 0	0000	0000 0000 0000 0000 1000	000
	SAL.	31.959 31.985 32.500 32.578	320 320 330 34 34 34 34 36 36 46 36 36 36 36 36 36 36 36 36 36 36 36 36	33.900 33.971 33.999 34.061	34.132 34.210 34.280 34.335	34.415
SIALION 288-019	E(T)		0	0000	0000	000
SIAIS	TEMP.	13.27 12.02 10.53	8.29 8.29 8.12 7.63	7.19 6.68 6.25 5.51	4444 0000 0000	6004 0004
	DEPTH	0000	50 100 150	4 3 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 1000	1200

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		PROD-S	1.48	1.28		0 • 80		0•12								
		PROD-1	0.08	0.14	,	0.26	•	0.00								
	18 3 9	CHL-A	0.10	60.0	,	0 • 30	6	600						٠		
	WEA VIS	Z I Z	0•0	0 • 0		1 • B	:	11.6								
	SDG 2560 RELHU 64 A 00, 04, C	SIL	7	^	,	ø	(	<del>.</del>								
UES	~ 3	PH0S.	0.78	0.81	•	1.03	(	0 4 3								
OBSERVED VALUES	7 46-56N LONG 126-31W AT 0 DRY 13.4 WET 9.5 SWL 9 DIR 26 V	• YX0	6.14	0.1.0	6•31 6•61	6.31	5.41	4 • 28 3 • 48	3.11	2.21	•	000 000 000	0.36	79.0	0.88	1.22
OBSER		SIGMA-T	23.85	)	24 • 1 4 24 • 49	25.25	25.53	25.97 26.26	26.44 26.51	26.59	26.79	27.11 27.21	27.40	27.47	·   -	27.69
288-	C AN	SAL.	31.866		32.008 32.240	32,586	32.854	33.326 33.654	33.793 33.849	33.914 33.964	34.013	34.193 34.324	34.418	34.464	34.551	34.584 34.616
STATION	HR 19	TEMP.	13.70	•	12•78 11•90	8 • 98	8 • 54	8•11 7•84	e. 	6.93 6.46	0	146 100 140	เ	000	90	2.09 1.90
	6/12/61 29 BA DIR	DEPTH	00	12	000			125	50	200 248	297	597 796	0	1193	9	1803 1962 2195
	DATE SECDI WVEL	CAST	ოო	)	ოო	ю	e	ოო	ოო	ma	úч	เดด	N	<b>~</b> −	•	

								PROD-S	4.08
E(0)			000	0000	0001			PROD-1	0.41
• XX0	6.14 6.15 6.31 6.61	6.31 5.41 3.11	2.76 2.28 1.61 1.03	0 • 6 • 6 • 3 • 3 • 3 • 3 • 3 • 3 • 3 • 3 • 3 • 4	0.36 0.67 0.76 1.54			CHL-A P	
GEOPOT.	0.000 0.041 0.079 0.116	0.178 0.243 0.299 0.392	0.469 0.541 0.607 0.732	0.846 0.952 1.051 1.141	1.306 1.453 1.648 1.919		WEA 18 VIS	3	
SP.VOL.	406.1 396.4 378.8 346.0	273.3 247.3 206.5 162.5	148.1 137.1 129.6 119.2	110 • 1 102 • 0 94 • 4 87 • 6	76.9 69.9 60.1 60.1		DG 2560 RELHU 90		
SIGMA-T	23. 24. 24. 24. 24. 24. 24.	25.25 25.53 25.97 26.44	26.59 26.72 26.80 26.92	27.02 27.11 27.20 27.28	27.40 27.47 27.58 27.58	VALUES	6-10W S ET 9.9 S R 26 WA		
E(S)			600 000 ••• 000	0000	000	OBSERVED	0NG 128		
SAL.	31.866 31.866 32.008 32.230	32.586 32.854 33.326 33.793	33.914 33.982 34.015 34.079	34.137 34.195 34.262 34.326	34.419 34.419 34.5535 34.651	_	47-35N 0 DRY R SW		
E(T)			000	0000	000	ON 288-020X	3 LAT	•	
TEMP.	13.70 13.18 12.78 11.90	8.98 8.54 7.39	იის • • • • • ი 4 დ 4 ს ს დ ს	4446 •••• ••• ••• ••• ••• ••• ••• ••• ••	3.50 3.07 2.51 1.87	STATIO	1 HR 1 21 CL SE		
DEPTH	3000	50 75 150	8864 0800 0000	8 4 6 0 0 0 0 0	1200 1500 2000		29 276 29 BA DIR	DEPTH	ø
			Σ		ΣΣΣ		EL COI		

INTERPOLATED AND COMPUTED VALUES

					•				
		PROD-S							
		PROD-I							
	ю	CHL-A							
	WEA O	Σιτα	00 00 4 0 0 0	200 201 201 201 201 201 201 201 201 201	34.0 37.0 34.0 8.0	36.7 38.8 42.1 41.8	4444 0.004 0.001 0.001	40.6 39.9 37.5 38.7	79.7
	6 265 ELHU 0• 10	SIL.	01.74	18 38 38	50 23 62 83	77 94 113 132	151 151 173 179	192 201 185 203	010
LUES	01W SD 10.3 RI 27 WA 1	PHOS.	00 00 00 00 00 00 00 00 00 00 00 00 00	0.90 1.07 2.66	1.97 2.94 2.34 2.66	2.00 3.00 0.00 0.00	20.00 20.00 20.00 20.00 20.00	4444 444 444	3,20
OBSERVED VALUES	127- WET DIR	oxy.	00 00 00 00 00 00 00 00 00 00 00 00 00	6.73 6.44 4.54 3.70	2.87 2.61 2.44 1.94	1000 4000 1000	0000 0000 0000 0000	1.21 1.51 1.67	1.70
OBSER	-30N LONG DRY 13.1 11 SWL 1	SIGMA-T	24 24 24 24 24 33 24 33 34 34 34 34 34 34 34 34 34 34 34 34	200 200 200 200 200 200 200 200	26.51 26.58 26.65 26.74	26.83 26.97 27.13 27.28	27.39 27.59 27.59 27.60	27.68 27.68 27.70	27.73
288-021	E LAT 46	SAL.	322. 32. 32. 4.08 32. 503	32.585 32.696 33.326 33.686	33.872 33.927 33.965 33.996	34.041 34.124 34.226 34.331	34.410 34.473 34.506 34.550	34.577 34.606 34.622 34.630	34.644
STATION	1 HR 06	TEMP.	13.40 13.14 13.14	9.32 7.92 7.68	7.30 7.10 6.81 6.34	5.88 5.32 3.52 7.72	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2.50 1.92 1.82 1.76	1.74
	6/13/6 18 BA 3 DIR	DEPTH	9000	50 100 125	150 175 200 244	292 390 584 785	980 1182 1369 1563	1766 1964 2155 2363	2542
	DATE SECDI WVEL	CAST	ოოოო	ოოოო	๛๓๓๗	ดดดด	ดดดา	пппп	-

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	E(0)			000	0000	0000	
	• XX0	0000 0000 0000 0000 0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.44 1.89 1.36 0.91	0000	0.37 0.85 0.88 1.58	1 • 80
ALUES	GEOPOT.	00000 00000 00000 00000	0.168 0.235 0.293 0.382	0.457 0.526 0.590 0.710	0.819 0.921 1.016 1.105	1.267 1.412 1.604 1.876	2.118
OMPUTED	SP.VOL.	60000 60000 60000 60000 60000	278.5 259.0 203.8 155.4	142.7 132.8 125.2 113.5	105 98•3 92•0 86•3	4.00 4.00 4.00 4.00	47.3
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	444 444 646 646 646 646 646	25.20 25.41 25.99 26.51	26.65 26.76 26.85 26.98	27.07 27.15 27.22 27.29	27.40 27.49 27.59 27.69	27.73
TERPOLA	E(S)			0 0 0 0 0 0 0 0 0	0000	0000	
	SAL.	288 288 298 244 808 808 808 808	32.585 32.696 33.326 33.872	33.965 34.012 34.048 34.130	34.187 34.235 34.288 34.388	34.417 34.477 34.536 34.600	34.640
STATION 288-021	E(T)			000	0000	0000	-
STATIO	TEMP.	084 080 080 084 084	98.45 98.00 98.00	6.81 5.87 5.27	4446 8446 7466	WWW	1.74
	DEPTH	9000	150 150 150	0000 0000 0000	8 7 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	112000 20000 20000	2500

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		PROD-5							
		PROD-1							
	7	CHL-A							
	WEA VIS	ZITR.							
	DG 2605 RELHU 84 00, 03,	SIL.							
JES	4.≱ ⊗ A	PHOS.							
OBSERVED VALUES	126-31 WET 1 DIR 00	• YX0	6.48 6.73 6.69 6.73	0004 0400 0404 77	3.82 3.32 2.34	11 00 00 00 00 00 00 00 00 00 00 00 00 0	000 000 044 000 000 000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.76
OBSERV	Ζ <u>α</u> 00	SIGMA-T	2000 2000 2000 2000 2000 2000 2000	25.19 25.36 25.87 26.23	22 22 26 26 26 20 20 20 20 20 20 20 20 20 20 20 20 20	26.78 26.91 27.11 27.28	27.40 27.48 27.55 27.55	27.61 27.65 27.69 27.71	27.72
288-022	LAT 46 0 AMT 0 DIR	SAL.	32.509 32.487 32.530 32.615	32.626 32.662 33.178 33.556	33.772 33.904 33.898 33.948	33.965 34.041 34.211 34.328	34.419 34.469 34.519 34.519	34.558 34.579 34.607 34.626	34.635
STATION	HR 16 24 CL 00 SEA	TEMP.	13.22 12.60 11.86 10.25	9.58 8.68 7.994 0.50	7.32 6.80 6.80 6.37	0048 0006 0000	640000	2.36 2.10 1.91 1.80	1.77
	6/13/61 15 BA DIR	DEPTH	0000	50 100 125	150 200 249	299 398 597 796	997 1198 1397 1398	1598 1798 1999 2200	2401
	DATE SECDI WVEL	CAST	ოოოო	ოოოო	๓๓๗๗	ผพพพ	au⊷a	H <b>H</b> HH	-

						٠			PROD-S	7.24
E(0)			000	0000 0000	0000	•			PROD-I	1.10
0XY•	6.48 6.43 6.69 6.73	0000 0000 0000 0000 0000	3.32 2.33 1.93	0000 0000 0000 0000	0000 0000 0000 0000 0000 0000 0000 0000 0000	1.81			CHL-A P	
GEOPOT.	000000000000000000000000000000000000000	0.156 0.224 0.284 0.378	0.5527 0.5527 0.5955 0.720	0.834 0.940 1.038	1 • 291 1 • 437 1 • 630 1 • 904	2.147		WEA VIS	H	
SP.VOL.	349.7 340.0 323.7 290.5	279.4 263.6 215.1 163.1	147.5 138.7 131.2 119.1	109.6 101.6 93.8 86.9	76.3 69.2 59.7 50.0	47.2		SDG		
SIGMA-T	24 • 44 24 • 55 25 • 72 25 • 07	25.19 25.36 25.87 26.43	26.60 26.70 26.78 26.92	27.02 27.12 27.21 27.21	27.40 27.48 27.58 27.58	27.73	VALUES	6-39W ET R		
E(S)			000	0000	0000	•	OBSERVED	ONG 12 W		
SAL.	32.509 32.487 32.530 32.615	32.626 32.662 33.178 33.772	33.898 33.948 33.966 34.043	34.130 34.213 34.277 34.330	34.420 34.469 34.540 34.607	34.642	-22× 0B	46-12N L T DRY IR SWL		
E(T)			000	0000 •••• 0000 4010	0000	:	288	A LAT		
TEMP.	13.62 12.60 11.86	9 8 8 7 7 9 9 7	6.36 5.36 5.19 5.19	4 4 • 8 5 9 • 6 1 9 • 6 1 9 • 6 1 9 4 9 4 9 9 4	80.00 10.00 10.00	1 • 75	STATION	HA CL		
DEPTH	3000	50 100 150	200 3000 400	500 700 800	1000 1200 2000 2000	2500		6/13/61 BA DIR	DEPTH	0
					ΣΣΣ			DATE SECDI WVEL		_

INTERPOLATED AND COMPUTED VALUES

		PROD-S	77.00 488.00 488.00
		PROD-I	0.61 0.89 1.23 0.17
		CHL-A	00.00 0.00 0.44 0.00 0.00
	WEA VIS	PHOS. SIL. NITR. CHL-A	000M 000M 000M
	SDG 2707 WEA RELHU VIS	SIL.	4mm@
UES	.5	PHOS.	00.91 0.95 1.10
OBSERVED VALUES	3 126- WET DIR	• XX0	
OBSER	18 LAT 46-06N LONG 126-25W L O AMT 0 DRY WET EA DIR SWL 1 DIR 03	SAL. SIGMA-T OXY.	
STATION 288-023	LAT 46-	SAL.	
STATION	ധഗ	TEMP.	
	6/13/61 HR 16 BA 22 2 DIR 19	ОЕРТН	07.94 07.970
	DATE SECDI WVEL	CAST	

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STATION 288-023 INTERPOLATED AND COMPUTED VALUES

NO INTERPOLATED AND COMPUTED VALUES

		PROD-S							
		PROD-I						•	
	7	CHL-A							
	WEA 0 9 VIS	NITR.							
	DG 2560 RELHU 89	SIL.							
VALUES	5w S 13•9 WA	PHOS.				٠			
	16 126-09 10 WET 0 DIR	oxy.	9997 9996 9998	6.74 6.46 3.36 7.1	6400 6400 6400	2.10 1.072 0.08 0.48	0000 8440 8440	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.70
OBSERVED	48N LONG DRY 15.0 SWL 0	SIGMA-T	224 244 244 244 244 244 244 244 244 244	25.16 25.36 25.66 26.09	26.37 26.49 26.60 26.70	26.71 26.76 26.91 27.13	78. 78. 78. 78. 78. 88. 68. 68.	27.58 27.61 27.65 27.68	27.71
+70-907	LAT 45- AMT 0 0 DIR	SAL.	32.461 32.506 32.518 32.568	32.635 32.728 33.016 33.554	33,776 33,859 33,936 33,987	33.982 34.010 34.073	34.327 34.409 34.469 34.535	34.514 34.554 34.580 34.604	34.622
201 4 7	HR 01 25 CL 27 SEA	TEMP.	14.14 13.06 12.66 11.96	0.088 0.088 0.034 0.044	7.79 7.40 7.00 6.55	0004 0004 0044 0494	4888 000 1148	20.00 20.00 10.00	1.81
	6/14/61 20 BA 3 DIR	DEPTH	0000	50 100 125	150 175 197 246	248 297 397 597	794 997 1192 1388	1395 1587 1786 1988	2222
	DATE SECDI WVEL	CAST	ოოოო	<b>ოოოო</b>	ጣጣጣጠ	ดดดด	ดดด-	0	-

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	E(0)			0000	0000	0000
	oxy.	64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0	000 000 000 000 000	2.47 1.666 1.70	0000 0400 0400	0.28 0.48 0.76 1.56
VALUES	GEOPOT.	0.000 0.036 0.071 0.104	0.164 0.233 0.295 0.396	0.475 0.546 0.614 0.740	0.855 0.959 1.056 1.146	1.312 1.458 1.650 1.923
COMPUTED \	SP.VOL.	371.0 347.1 339.0 322.9	282.5 263.8 235.7 169.3	146.4 137.8 132.9 119.7	109.5 100.3 93.4 87.6	77 68 59 50 50 50
INTERPOLATED AND C	SIGMA-T	24 • 22 24 • 47 24 • 56 24 • 73	25.16 25.36 25.66 26.37	26.61 26.71 26.77 26.91	27.03 27.13 27.21 27.28	27.439 27.48 27.59 27.68
TERPOLA.	E(S)			00000	00000	0000
	SAL.	32.5461 32.506 32.518 32.518	32.635 32.728 33.016 33.776	33.942 33.987 34.012 34.075	34.139 34.203 34.320 34.320	34.400 34.400 34.471 34.505
N 288-024	E(T)			0000	0000	0000
STATION	TEMP.	14.14 13.06 12.66 11.96	9.00 8.00 8.00 7.00 7.00	6.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00	4444 ••••• 0440 0000	€ € 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	DEPTH	9000	50 100 150	0000 0000 0000	500 600 700 800	1200 1200 1500 2000

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		PROD-S				•												
		PR00-1	0.36	•	0.37	0.25												
	<b>กั</b> 4	· CHL-A	0.13	•	0.15	0.18												
	6 WEA 4 99 VIS	NI TR.	0.0	0.0	0 • 0	•		11.1	10 4	30.7	ຕໍເ	35.8 4.0 4.0 4.0	ď	44	•	•	37.9	35.6 38.7
	SDG 242 RELHU 15• 20	SIL	7	ស	ហ	4		32		144	52	85 112	Ľ	158 189	ហ	1	167	167 196
LUES	36W S 12.9 23 WA	PHOS.	0.42	0.44	0.50	•	• •	1:30	•	2.31 2.20	90	2.46 2.97	0,0	000 000 000 000	6	۳(	2.08 4.08 4.00	2.60
OBSERVED VALUES	125- WET DIR	oxx.	6.10	6.23	6.42	4	70	5.38 3.88	3.40 040	2.71	ტ (	1.28	Q C	000	•	•	1.11	1.59 1.76
OBSER	-26N LONG DRY 12.9 01 SWL 1	SIGMA-T	23.45	23.88	24.32	<b>4</b> ω	4 N	25.42	6.1	26.49 26.48	9.0	26.86 27.08	7.2	27.52	ស	លំ	27.63	27.72
288÷025	X AMT 9	SAL.	31 • 499	31.938	32,236	2.0	20	32.861 33.471	6	33.880 33.872	ຕໍເ	34.045 34.194	44	34.453	4	4 4	34.594	34.623 34.639
STATION	HR 08 CL 01 SEA	TEMP.	14.27	13.84	12.79	9 0	เกิด	9.30	N <sub>0</sub>	7.50	Ø,	0.04 0.04 0.06 0.06 0.06	N	3.21 2.83	8	លិ	1.97	1.84
	6/14/61 12 BA 5 DIR	DEPTH	10	10	100			97 121	41	188 192	ന്	375 565	ญ4	1132 1322	40	101	1944	2149
	DATE SECDI WVEL	CAST	~	-	-	-	~~		٦.	•	a	นผผ	ผณ	เผผ	ო	ტ (	ოო	ოო

	STATION	N 288-025		INTERPOLATED	TED AND C	AND COMPUTED VALUES	/ALUES			
DEPTH	TEMP.	E(T)	SAL.	E(S)	SIGMA-T	SP.VOL.	GEOPOT.	• *X0	E(0)	
3000	14.27 13.84 12.77	80° 00° 00°	31.499 31.938 32.244 32.274	0 • 0 • 0 • 0 • 4	00000000000000000000000000000000000000	444•1 403•7 361•2 355•1	0.000 0.003 0.0081 0.117	0000 0000 1044 0004	0.00	
50 100 150	10 • 46 9 • 74 9 • 22 8 • 21	0000	32.561 32.652 32.939 33.640	0000 0000 0000 0000 0000 0000 0000	24.99 25.19 25.49 26.20	298.3 280.4 251.6 184.8	0.182 0.255 0.321 0.430	6.74 5.97 3.33	0000	
0004 0000 0000	7 . 37 6 . 72 5 . 52 5 . 52	0000	33.898 33.972 34.006 34.063	0000	26.52 26.67 26.76 26.89	155.2 141.6 133.3 121.5	0.515 0.589 0.658 0.786	2.00 1.00 1.00 1.14	0000	
500 700 800	0444 0400 4000	0000	34.221 34.221 34.291 34.346	0000	27.01 27.11 27.21 27.28	1111.1 102.0 94.0 87.2	0.902 1.008 1.106	0000 04400 0400	0000	
1000 1000 2000 2000	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0000	34.417 34.470 34.507 34.602	0000	27.40 27.48 27.55 27.68	77 69 68 68 68 68	1.361 1.508 1.708 1.9991	00 00 00 04 00 04 00 00 00 00 00 00 00 0	0000	

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		PROD-S																	
		PR00-1	0.56	ម ១ ១	•	0.44	0.97												
		CHL-A	0.17	•	•	81.0	0.18												
	WEA 38, 45	NITR.																	
	5DG 1842 RELHU 98 45, 25, 3	SIL																	
-UES	7 W W W W W W W W W W W W W W W W W W W	PH0S.																	
OBSERVED VALUES	122 0185	• \x0	2,96	5.97	6.24	6.74 6.80	,	00°0 00°0 00°0	100	3.65	9.0	2.18	1.18	0.0	0.60		•	00.04	0.30
OBSER	45-26N LONG 8 DRY 14.6 3 SWL 3	SIGMA-T	21.97	22.49	24.13	24.60	1	25.41	10.02	26.08	26.20	26.69	26.89	26.98	27.06	27.04	27-11	27.23	27.29
	4 AMT 8	SAL.	29.840	30 • 399	32.102	32,373 32,553		32.866 32.866	000	33.502	33.629	33.971	34.061	34.106	34.169	34.162	34.201	34 • 266 34 • 296	34.340
STATION	24 CL 36	TEMP.	15.27	14.84	13.24	11.86 10.46	ľ	96.0	•	4.	<b>-</b> r	6.57	ទ	5. 12. 12.	100	6	9	4.37	3.93
	6/14/61 19 BA 13 DIR	DEPTH	00	00		10.4 5.73	52	00 F	100	O C	O C	264	~	436 436	9	524	557	727	812
	DATE SECDI WVEL	CAST	8	a	N	ณณ		vur	ን	ო	ማ ሮ	)4	-	<b>~</b> • <b>◊</b>		4	⊶.	<b></b>	7
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		PROD-S	1.0 0.0 0.0 0.0 0.0 0.0
		PHOS. SIL. NITR. CHL-A PROD-I	0.17 0.22 0.31 0.75
		CHL-A	
	WEA VIS	Z I I Z	000-
	W SDG 1920 WE RELHU V	SIL	11 7 5
OES.	4w SD R WA	PHOS.	0.72 0.70 0.81 1.01
VED VAL	G 125-1 WET DIR 3	• ××0	
SIAIION ZBB-UZ/ OBSERVED VALUES	18 LAT 45-25N LONG 125-14W S L AMT 2 DRY WET EA DIR 36 SWL DIR 36 WA	SAL. SIGMA-T OXY.	
720-882	LAT 45- AMT 2 DIR	SAL.	
201 4 70		TEMP.	
	DATE 6/14/61 HR SECDI 16 BA 24 C WVEL 16 DIR 36 S	DEPTH	04 0006
	DATE SECDI WVEL 1	CAST	

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STATION 288-027 INTERPOLATED AND COMPUTED VALUES

NO INTERPOLATED AND COMPUTED VALUES

٠		STATION	ON 288-026		TERPOLA	INTERPOLATED AND COMPUTED VALUES	OMPUTED \	ALUES			
	ОЕРТН	TEMP.	E(T)	SAL.	E(S)	SIGMA-T	SP.VOL.	GEOPOT.	• 0XX•	E(0)	
	3000	15.27 14.69 12.90 11.59	000	000 000 000 000 000 000 000 000 000 00	0.042 0.038 0.009	24.29 24.29 24.29	585 518 9 364 8 326 2	0.000 0.056 0.100 0.134	5,996 6,35 6,35	000	
ΣΣΣ	50 100 150	10.25 9.62 9.32 8.68	0000	32.572 32.708 32.926 33.311	0.009 0.007 0.015 0.015	25.04 25.05 25.47 25.87	294 • 0 274 • 5 254 • 0 216 • 8	0.196 0.268 0.334 0.451	6.00 C4	0000	
EEEE	220 300 000 000	7.48 6.61 6.18 5.41	0000	33.816 33.998 34.017 34.072	0000 0000 0000 0000 0000	26.44 26.70 26.78 26.91	162.9 138.2 132.0 119.5	0.546 0.622 0.689 0.815	3.06 2.36 1.80 1.07	0000	
ΣΣ	500 600 700 800	444 E 840.0 740.0	0001	34.167 34.238 34.287 34.333	0001	27.05 27.16 27.22 27.28	107•1 97•8 92•5 86•9	0.928 1.031 1.126 1.215	0000 0000 0040 0000	0001	
		STATIO	ON 288-26X		OBSERVED	VALUES					
DATE SECD WVEL	1 6/14/6 BA DIR	HR 1 SE	A LAT A	45-21N DRY R SW	LONG 12	5-35W RT R	SDG RELHU	WEA			
	DEPTH								CHL-A	PROD-1	PROD-S
-	0									0.73	7.86

		PROD-S											
		PROD-I	0 9 9	•	•	•	5 V •				E(0)	000 ••• 000 400	0000
		CHL-A P									• *X0	6.07 6.30 7.15 6.68	200.00 200.00 200.00 200.00
	WEA OS VIS	NITR. CHI								VALUES	GEOPOT.	0.000 0.069 0.117 0.147	0.204 0.268 0.323 0.413
	DG 1070 RELHU 96 30	SIL.									SP.VOL.	716.5 653.7 305.8 296.4	271.4 239.3 199.9 161.9
VALUES	52W S 14•4 WA	PH0S.								INTERPOLATED AND COMPUTED	SIGMA-T	200 201 201 201 201 201	25°27 25°62 26°04 26°44
RVED	LONG 124- 15.0 WET	• YXO	6.07	6.16	7.18	6.83	5.41 3.55 5.55	2.52 2.72 2.52		RPOLATE	E(S) 8	133 172 005	0003 0009 0001
	-29N DRY 36 SW	SIGMA-T	20.61	20.80	24.55	24.92 25.19	25.46 25.82 26.15	26.35 26.35 26.45 26.45 26.45			SAL.	28.103 28.810 32.601 32.439	2.628 3.016 3.475 03.820
288-028	LAT 45- 4 AMT 7 5 DIR 3	SAL	28,103	28,308	32,308	32.408 32.544	32.846 33.232 33.604	33.758 33.835 33.892		288-028	E(T)	000 000 000	000000000000000000000000000000000000000
STATION	HR 23 22 CL 36 SEA	TEMP.	15.42	15.26	11.85	10.20	8.98 8.60 8.30	7.83 7.52 7.28		STATION	TEMP.	15.45 14.87 11.13 9.81	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
	6/14/61 16 BA 13 DIR	DEPTH	0,	<b>0</b> 0			65 84 108 108	130 152 173			DEPTH	9000 9000	50 100 150
	7E C01	ST	_	-	-								

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		PROD-S														
		PROD-I	0.19	•	•	0.84							E(0)	000	0000 0000 0400	
		CHL-A F	•16	•	•	•14							• × •	6.03 6.03 6.03 6.04	6 0 4 0 4 0 6 4 0 6 0 0 0 0 0 0 0 0 0 0	•
	WEA OS VIS 6	NITR. CF	00	5	•	0 0						VALUES	GEOPOT.	0.000 0.072 0.124 0.158	0 220 0 291 0 353 0 450	0.530
	SDG 1207 RELHU 88 30	SIL										COMPUTED V	SP.VOL. ANOMALY	746.8 687.7 357.2 320.9	297.4 269.7 222.1 167.2	152.0
-UES	3W S	PHOS.	0.37	0.30	0.55	0.64	0.66	4.	4	100 40 00 a	)	AND	I GMA-T	20 . 29 20 . 91 24 . 37 24 . 75	200 200 200 200 200 200 200	6.5
OBSERVED VALUES	ONG 125-00 5.6 WET	• <b>XXO</b>	6.03	<b>6.</b> 08	6.41	6.84	7.00 6.28	40	-0	77. 77. 78.	•	INTERPOLATED	E(S) S1	• 123 • 030	0013 0025 0035 0035	
OBSE	OGN L DRY 1	SIGMA-T	20.29	20.49	23.93	24.62	24.90	ທິດ	6.3	26.47	)	INTE	AL•	.729 .4554 .4313 .484	.539 0 .662 0 .213 0 787 0	- 906
288-029	LAT 45- AMT 0 5 DIR 0	SAL.	27.729	27.969	31 • 898	32•402	32.530	ด้ต	3.71	33.846 33.969	  -  -	288-029	(T) S	27 •04 28 •00 32 •08 32	.05 32 .06 32 .01 33	• 33
STATION	HR 04 2 CL X 1 SEA	EMP.	5.56	5.48	3.44	1 • 84	9.31	• 96 • 38	•89 88	7.4 6.4 6.4 6.4		STATION	EMP. E	25.55 2.85 1.50 0.00	0.31 9.09 0.69 7.69	80
v)	6/15/61 14 BA 2 3 DIR 0	DEPTH T	0 1	00		266 38	64 83 1	87 108	വധ	173 241		U)	ОЕРТН Т	3000	50 75 100 150	200
	SECDI WVEL 13	CAST	8	~	-	-	ผผ	m es	ოო	วคต			_	ΣΣΣ	ΣΣΣ	
			0 4	,	_											

	PROD-S									
	PROD-I						E(0)	0.02 0.01 0.07	0000	•
							oxy.	200 9 C	3.51 2.25 1.888 1.855	1.69
A 02	R. CHL-A					UES	GEOPOT.	.000 .067 .121	.219 .290 .353	.524
S ¥EA VI\$	NITR					VALUE		0000	0000	0
DG 1240 RELHU 9 25, 35	SIL					COMPUTED	SP.VOL.	681.5 652.9 417.8 317.6	295.4 272.6 231.0 155.2	141.6
25-00W SI WET 14-4 I	PHOS.	+m10.01				AND	SIGMA-T	20.97 21.27 23.73 24.79	25.02 25.27 25.71 26.51	26.66
LONG 128 14.9 WE	• VXO	6.04 6.13 7.08 7.08	04.0 0.0 0.0 0.0 0.0 0.0	1.90 1.90 1.90 1.90 5.00		INTERPOLATED	E(S)	0.059 0.010	0.0001 0.006 0.039	
14-50N LC 0 DRY 14 36 SWL	SIGMA-T	200.97 20.98 21.06 23.36	24 24 24 24 25 25 25	25.47 26.30 26.53 26.73			SAL.	28.541 28.853 31.282 32.398	32.492 32.675 33.110	33.953
B LAT '	SAL.	288 288 308 308 886 886 886	32.267 32.435 32.469 32.615	32.881 33.714 33.870 33.987		ON 288-030	E(T)	000 ••• •00 040	0000 0000 0040	
19 CL 36 SE	TEMP.	15 15 15 15 15 15 15 15 15 15 15 15 15 1	11.21 10.48 10.14 9.46	9.06 7.88 7.12 6.37		STATIO	TEMP.	10.92 0.92 0.93 0.93 0.93	9 • 97 9 • 34 8 • 74	99•9
6/15/61 BA 15 DIR	DEPTH	ON 0.00	784 7989 798	16.1 16.4 16.4 16.4			DEPTH	3000	50 100 150	200
DATE SECDI WVEL 1	CAST	нннн	папа	⊷ผผผ					ΣΣΣ	

OBSERVED VALUES

		PROD-S	5,02											
	•	PROD-1	0.46	0.00	0 • 38	0.84					E(0)	0.01	0000	1
		∢	•10	2	• 32	•51					0XY•	6.04 6.04 6.85 7.01	6.35 4.75 3.78 1.91	1.51
	EA 02 VIS 9	R. CHL-	ŏ		ŏ	ŏ				UES	GEOPOT.	.000 .069 .121	.213 .276 .330	•490
	¥ 53 ₩	a Lin								ED VALUE		6.00 0.00 0.00 0.00	ดดดด	0
	SDG 39 RELHU 11	• SIL								COMPUTED	SP.VOL.	692 685 345 311	277 232 198 158	136
OBSERVED VALUES	24-39W WET 15.0	• PHOS	4	4	വ	J	<b>~</b> ••••	ผผ	വവ	INTERPOLATED AND	SIGMA-T	0000 0000 0044 0048 0048	2000 2000 2000 2000 2000 2000 2000	26.72
ERVED	50NG 1	T 0XY	0.9	0.9	<b>6</b> .8	•	04.00 0.00 0.00 0.00	Ο.Ο	ហិលិ	ERPOLA	E(S)	0.003	0000 0000 0000	1
	4-52N L 5 DRY 1 01 SWL	SIGMA-T	20.85	20.93	24° 94° 94°	1	25.19 25.67 26.02 26.35	26.52	••	I ZI	SAL.	28.277 28.372 32.346 32.481	32.641 33.104 33.474 33.887	33,999
1 288-031	LAT 4 AMT 5 DIR	SAL.	28.277	28,372	32.346	•	32.624 33.088 33.445 33.751	33.875	M.4	1 288-031	E(T)	0.01	-000 0000 0000	1
STATION	1 HR 13 CL 36 SEA	TEMP.	14.88	14.86	12.31	•	9.55 8.82 8.35	7.24 6.85	ທ່ວ	STATION	TEMP.	14 • 88 14 • 86 10 • 91 10 • 95	9.51 8.80 8.30 7.19	6.52
	6/15/61 14 BA 13 DIR	DEPTH	01	100	100 000	38	44 74 98 123	147	D 4		DEPTH	9000	50 100 150	200
	DATE SECDI WVEL	CAST				ı	пппп							

STATION 288-032 OBSERVED VALUES  5/61 HR 13 LAT 44-46N LONG 124-27W SDG 150 WEA 02  BA CL AMT 0 DRY 14.6 WET 14.3 RELHU 97 VIS 7  TH TEMP. SAL. SIGNA-T 0XY. PHOS. SIL. NITR. CHL-A PR  12.15 30.823 23.34 6.33  B 12.12 30.829 23.36 6.33  B 10.52 32.172 24.68 6.61  9 19.19 32.554 25.20 5.43  B 8.64 33.241 25.82 4.33  B 8.64 33.241 25.82 4.33  B 7.95 33.687 26.27 3.00  T 7.61 33.809 26.42 2.43  TH TEMP. E(T) SAL. E(S) SIGNA-T SNOWALY ANOMALY OXY.  12.16 30.823 33.001 0.000 25.62 27.66  STATION 288-032 INTERPOLATED AND COMPUTED VALUES  TO 12.15 30.829 23.36 6.33  STATION 288-032 SAL E(S) SIGNA-T SNOWALY ANOMALY OXY.  STATION 288-032 SAL E(S) SIGNA-T SNOWALY ORDER 6.33  STATION 288-032 SAL E(S) SA			PROD-S									·	
TE 6/15/61 HR 13 LAT 44-46N LONG 124-27W SDG 150 WEA 02 EL 13 DIR 35 SEA 4 DIR 35 SWL 5 WET 14.3 RELHU 97 VIS 7 EL 13 DIR 35 SEA 4 DIR 35 SWL 5 WET 14.3 RELHU 97 VIS 7 EL 13 DIR 35 SEA 4 DIR 35 SWL 5 WET 14.3 RELHU 97 VIS 7 EL 13 DIR 35 SEA 4 DIR 35 SWL 5 WET 14.3 RELHU 97 VIS 7 EL 13 DIR 35 SEA 4 DIR 35 SWL 5 WET 14.3 RELHU 97 VIS 7 EL 13 DIR 35 SEA 4 DIR 35 SWL 5 WEA 12.2  ET DEPTH TEMP. SAL SIGMA-T 0XY. PHOS. SIL. NITR. CHL-A  1			ROD-I	1.97		•	98 • 0				E(0)	•	0000
TE 6/15/61 HR 13 LAT 44-46N LONG 124-27W SDG 150 WEA 02  CD1 13 BA CL AMT 0 DRY 14.6 WET 114.3 RELHU 97 VIS 7  ST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR.  ST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS. SIL. NITR.  1 10 12.12 30.823 23.34 7.27  1 20 10.52 32.172 24.68 6.61  2 9 19.19 32.716 25.37 5.66  1 29 8.64 33.241 25.82 4.33  1 98 7.95 33.644 26.12 3.00  1 117 7.61 33.809 26.42 2.43  STATION 288-032 INTERPOLATED AND COMPUTED VALUES  STATION 288-032 33.687 6.33  DEPTH TEMP. E(T) SAL. E(S) SIGMA-T NOMPALY ANOMALY ANOMAL			⋖					·			oxv.	6.34 6.33 6.43 6.43	5.08 2.08 2.96
TE 6/15/61 HR 13 LAT 44-46N LONG 124-27W SDG 150  EL 13 DIR 35 SEA 4 DIR 35 SWL 5 DIR 01 WA 12  ST DEPTH TEMP. SAL. SIGMA-T OXY. PHOS. SIL. N  1 0 12.12 30.823 23.34 6.34  1 10 12.12 30.829 23.34 6.33  1 10 12.12 30.829 23.34 6.33  1 29 8.64 32.554 24.68 6.61  1 39 8.68 33.241 25.82 4.33  1 39 8.68 33.241 25.82 4.33  1 98 7.99 33.687 26.27 3.00  1 117 7.61 33.899 26.42 2.43  1 117 7.61 33.899 26.42 2.43  1 117 7.61 33.899 26.42 2.43  1 117 7.61 33.899 26.42 2.43  1 0 12.16 30.823 30.823 23.34  1 0 12.16 30.823 23.34 459.85  1 0 12.16 30.823 23.34 459.85  1 0 12.16 30.823 23.34 459.85  1 0 12.16 30.823 23.34 50.05 25.62 276.8		92	S. H							S	OT.	0481 0401	67 67 67
STATION 288-032 OBSERVED VALUES  TE 6/15/61 HR 13 LAT 44-46N LONG 124-27W  EL 13 DIR 35 SEA 4 DIR 35 SWL 5 DIR 01 W/  ST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS  1 0 12.16 30.823 23.34 6.34  1 10 12.12 30.829 23.36 6.33  1 20 10.52 32.172 24.68 6.61  1 20 10.52 32.172 24.68 6.61  1 39 8.64 33.241 25.29 6.43  1 39 8.64 33.244 25.20 5.43  1 98 7.95 33.647 26.12 3.04  1 117 7.61 33.809 26.42 2.43  1 117 7.61 33.809 26.42 2.43  1 0 12.16 33.809 26.42 2.43  1 0 12.16 33.809 26.42 2.43  1 117 7.61 33.809 26.42 2.43  1 0 12.16 30.823 23.34  1 117 7.61 33.809 26.42 2.43  1 0 12.16 25.37 20.05 23.34  23.34 30.823 23.34  23.34 30.823 23.34  24.68 30.823 23.34  25.67 30.823 23.34  26.73 0.02 32.375 0.025 25.62  26.72 20.005 25.62  27.73 0.03 33.001 0.02 25.62		WEA VIS	NITR.							VALUE		0000	0.167 0.221 0.267
STATION 288-032 OBSERVED VALUES  TE 6/15/61 HR 13 LAT 44-46N LONG 124-27W  EL 13 DIR 35 SEA 4 DIR 35 SWL 5 DIR 01 W/  ST DEPTH TEMP. SAL. SIGMA-T 0XY. PHOS  1 0 12.16 30.823 23.34 6.34  1 10 12.12 30.829 23.36 6.33  1 20 10.52 32.172 24.68 6.61  1 20 10.52 32.172 24.68 6.61  1 39 8.64 33.241 25.29 6.43  1 39 8.64 33.244 25.20 5.43  1 98 7.95 33.647 26.12 3.04  1 117 7.61 33.809 26.42 2.43  1 117 7.61 33.809 26.42 2.43  1 0 12.16 33.809 26.42 2.43  1 0 12.16 33.809 26.42 2.43  1 117 7.61 33.809 26.42 2.43  1 0 12.16 30.823 23.34  1 117 7.61 33.809 26.42 2.43  1 0 12.16 25.37 20.05 23.34  23.34 30.823 23.34  23.34 30.823 23.34  24.68 30.823 23.34  25.67 30.823 23.34  26.73 0.02 32.375 0.025 25.62  26.72 20.005 25.62  27.73 0.03 33.001 0.02 25.62		36 150 RELHU 97	SIL							MPUTED	SP.VOL.	454.5 453.6 327.4 276.0	238 • 8 194 • 9 176 • 0
STATION 288-032  TE 6/15/61 HR 13 LAT 44-46N  EL 13 DIR 35 SEA 4 DIR 35  ST DEPTH TEMP. SAL. SIG  1 10 12.12 30.823 23  1 20 12.13 30.829 23  1 20 12.12 30.829 23  1 20 12.12 30.829 23  1 39 8.64 33.241 25  1 59 8.64 33.241 25  1 59 8.64 33.241 25  1 17 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  2 20 12.16 30.82  3 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	'ALUES	o, ₹	PHOS		_					AND	+	2000 2000 2000 2000 2000 2000	25.62 26.08 26.29
STATION 288-032  TE 6/15/61 HR 13 LAT 44-46N  EL 13 DIR 35 SEA 4 DIR 35  ST DEPTH TEMP. SAL. SIG  1 10 12.12 30.823 23  1 20 12.13 30.829 23  1 20 12.12 30.829 23  1 20 12.12 30.829 23  1 39 8.64 33.241 25  1 59 8.64 33.241 25  1 59 8.64 33.241 25  1 17 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  1 117 7.95 33.687 26  2 20 12.16 30.82  3 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	RVED V	NG 124 •6 WE 5 DIR	• XXO	6.34	•	5.61	0.4 m	04		RPOLAT	S	• 005	0.020
STATION 288-  EL 13 DIR 35 GL AN  EL 13 DIR 35 GL AN  EL 13 DIR 35 GL AN  ST DEPTH TEMP. SAL  1		-46N DRY 35 SW		က်က	•	• •		6.2 6.4			SAL.		33.001 0 33.508 0
STATION STATION OF SECULAR STATION OF SECULAR	288-	LAA AA	SAL	30.823 30.810	30.829	32.172 32.554	32.716 33.241 33.544	33.687 33.809				0.8	001
TE 6/15/6 EL 13 DIR ST DEPTH 1 10 399 1 289 1 289 1 289 1 198 1 198 1 100 1 00 1 00 1 00 1 00 1 00 1 00 1	STATION	HR C 35 S	EMP	2.1	-	9.1	m v v	0.0			EMP	9000	8.73 8.27 7.92
SECDI SECDI 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		715/6 3 BA DIR	DEPTH	OIO	00	906 705	33 39 87 87				DEPTH	9000	50 100
		DATE SECDI WVEL	CAST		-								

		PROD-S	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
		PROD-1	1.628 1.644 0.63
	ທ	CHL-A	0000 4400 6440 0440
	WEA OS VIS	PHOS. SIL. NITR. CHL-A	0000
	16 221 ELHU	SIL	111
UES	9W SD RA PI	PHOS.	0.73 0.73 0.80 1.16
OBSERVED VALUES	IG 124-1 WET DIR 3	• ××0	
	18 LAT 45-05N L-NG 124-19W SDG 221 CL AMT DRY WET RELHU SEA DIR 34 SWL DIR 34 WA	SAL. SIGMA-T OXY.	
ON 288-033	LAT 45 AMT DIR	SAL.	
STATION	₹ 41 34	TEMP.	
	6/15/61 13 BA 8 DIR	DEPTH	on ໝ n
	DATE SECDI WVEL	CAST	<b>.</b>

STATION 288-033 INTERPOLATED AND COMPUTED VALUES

NO INTERPOLATED AND COMPUTED VALUES

		PROD-S										•			
		PROD-1	1.69	,	٠ • •	0.52							E(0)	000	0000 •••• 0000 wan4
		CHL-A F					•				·		0XY•	6.38 6.59 7.27 6.56	04.0 04.0 0.0 0.0 0.0 0.0 0.0 0.0
	WEA 05	NITR. C	00		0.0	90°6 70°8	•	•	29•7 26•6	7.7		VALUES	GEOPOT .	0.000 0.056 0.099 0.131	0.187 0.246 0.294 0.376
	DG 295 RELHU 83 15	SIL. N	12	11	97	12 19 28			38	38 2		COMPUTED V	SP.VOL.	556.7 545.8 331.4 304.5	255.9 210.6 177.8 150.0
LUES	3W S WA	PHOS.	0.38 0.46		0 • 54 0 • 88	1.622 1.948 1.90	0	0	2•42 2•58	2.56		AND	SIGMA-T	22.28 22.39 24.64 24.92	255.44 255.92 26.27 26.57
OBSERVED VALUES	NG 124-19 • 4 WET	• YX0	6.38 6.50	6.59	7.30 6.64	5.98 5.10 1.80	8	o.	2•63 1•98	2,18		INTERPOLATED	E(S) S	0000	0000 0000 0000
	45-06N LONG T DRY 16.4 IR 35 SWL	SIGMA-T	22.28 22.28	22.39	24 • 55 24 • 89	25.17 25.61 25.95	•	ŝ	26•51 26•58	26.65			SAL.	29.744 29.875 32.249 32.342	2.792 0 3.354 0 3.696 0
288-	LAA PA	SAL.	29•744 29•750	29.875	32.178 32.325	32,511 33,004 33,389	33.671	33,794	33.880 33.918	33,951		288-034	E(T)	00.00	9000 0000
STATION	HR 22 15 CL 35 SEA	TEMP.	13.41	13,33	11.27	9 • 16 8 • 78 8 • 54	-	9	7.37	6.76		STATION	TEMP.	13.35 113.35 11.10 9.86	8.84 8.57 7.11
	6/15/61 12 BA 10 DIR	DEPTH	OIU		000	31 38 58 77		-	135 155	174			DEPTH	9000	150 150
	TE COI	ST		_			-	_							

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		PROD-S								
		PROD-1	0.90	0.82	0.29			E(0)	0000	0.0
		CHL-A P						OXY.	6.18 6.18 6.13 6.13	4.07
	WEA 05	•	٠ <u>٠</u>		7.1 8.9 7.0	400-	-UES	GEOPOT . ANOMALY	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.158
		NITR	NN		787	9 29 32	VAL			00
	SDG 124 RELHU 89 30. 40	SIL.	110	100	100	128 138 14 15	OMPUTED	SP.VOL.	447.5 293.8 272.4	220.8 168.1
LUES	๊ฅุ≸	PH0S.	0 • 6 • 6	0.44	1.07	1.18 1.60 2.38 2.50	INTERPOLATED AND COMPUTED VALUES	I GMA-T	223 233 253 263 263 263	25.81 26.37
OBSERVED VALUES	124-08W WET 13 DIR 36	oxy.	919	•18 •17 •08	5.84 5.89 6.19	0000 000 000 000 000	LATEI	S		
ERVE	14.4 14.5	Ö ⊢	ΦΦ	000	ស លាលា	<b>0</b> 4m <i>0</i> 1	ERPO	E(S	0.016 0.002 0.006	0.016
OBS	29N DRY S SI	SIGMA-	23.42	23.40 24.52 24.07	24.70 25.00 25.10	25.28 25.66 26.17 26.37	Z Z	SAL.	865 0465 589 989	3.192
288-035	LAT 45-7 AMT 0 5 DIR 30	SAL.	30 • 865 30 • 865	30.850 30.979 31.486	32.073 32.348 32.496	32.597 33.030 33.590 33.770	288-035	£	0.002 0.03 0.03 0.03 0.03 0.03	01 3
NO I	SEA	•	9.0 4.4	986	940 980	886 700 720	NO I	. П	9474 9689 9690	47 0
STATIO	1 13 36	TEMP	11 69	111000	000	4000	STATIO	TEMP	111 000	7
	6/16/61 10 BA 15 DIR	DEPTH	.om4	ი დღ 4	15 23 73	31 46 77		DEPTH	9800	720
	EC01	ST			ผผผ	ดดดด			Σ	

		PROD-S		
		PROD-I		
	2 <u>7</u>	CHL-A		
	WEA O	PHOS. SIL. NITR. CHL-A		
	DG 47 RELHU 9 15	SIL		
LUES	00W SI 10.8 I	PHOS.		
OBSERVED VALUES	16 124-1 7 WET DIR	• XXO	4444 WWN 4444 WWN 0000 WHN	
	07 LAT 45-36N LONG 124-00W SDG 47 WEA 02 CL AMT 0 DRY 11.7 WET 10.8 RELHU 90 VIS 7 SEA 5 DIR 35 SWL DIR WA 15	SIGMA-T OXY.	2000 2000 2000 2000 2000 2000 2000 200	
ON 288-036	LAT 45 AMT 0 5 DIR	SAL.	33.0028 33.0028 33.0045 33.0048 33.0048	
STATION	13 35 35	TEMP.	8888 888 ••••• 888 8000000000000000000000000000000000	
	6/16/61 BA 15 DIR	DEPTH	0404 BUE	
	DATE SECDI WVEL	CAST	नननन ननन	

	E(0)	001
	• XXO	44 WW 44 00 40 00
VALUES	GEOPOT.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
COMPUTED V	SP.VOL. ANOMALY	239.6 238.3 212.5 188.7
INTERPOLATED AND C	SIGMA-T	25.62 25.62 25.89 25.89
TERPOLA	E(S)	000
	SAL.	33.0028 33.0028 33.0042 5599
950-887 N	E(T)	001
STATION	TEMP.	88 89 89 89 80 80 80 80 80 80
	DEPTH	9000

	PROD-S							
	PROD-1					E(0)	0.01 0.02 0.14	0.04
						• *XO	0.00 0.00 0.00 0.00 0.00	2.82
WEA 02	NITR. CHL-A				VALUES	GEOPOT. ANOMALY	0.000 0.0036 0.067	0.131
SDG 89 RELHU 77	SIL.				INTERPOLATED AND COMPUTED VALUES	SP . VOL . ANOMALY	2000 2000 2000 2000 2000 2000 2000 200	176.0
124-04W S WET 11.7 DIR 35 WA	• PHOS•	4 NW O	- No on	- മഴവ-	TED AND G	SIGMA-T	24.41 24.38 25.36	26.28
<u>დ</u> ი	οχ	N N N N 0 0 0 4 0 0 0	24 4 R	3.91 2.95 1.80	ERPOLA.	E(S)	0.00 0.00 0.002 0.004	0.010
-45N DRY 35 SW	SIGMA-T	2440 2440 2440 1440 1440	25.46 25.24 25.61 25.45	25.96 26.24 26.35 26.35		SAL.	31.783 31.752 32.696 33.149	33,693
LA AA E	SAL.	31.783 31.775 31.776 31.775	31.814 32.578 32.966 33.103	33,347 33,653 33,748 33,861	288-037	E(T)	000	00.0
HR 09	TEMP.	10.34 10.34 10.36	10 9.02 8.62 56.26 56.26	8.25 8.02 7.72 7.32	STATION	TEMP.	10.34 10.34 8.88 8.51	7.94
6/16/61 BA 13 DIR	DEPTH	0000	4008	38 57 56		DEPTH	9800	90
DATE SECDI WVEL	CAST	деее	нене	'eeee				

OBSERVED VALUES

			PROD-S	13,52																	
			PROD-1	1.67	n •	1.46	1.17											E(0)	0.07	)	0000
			<b>4</b>	44	† •	•35	• 44											0XX•	9999 900 900 900 900 900 900 900	) } •	4 • 1 4 2 • 57 2 • 66
		WEA 02	NITR. CHL	00	•	0	0									ti T	VALUES	GEOPOT.	000000000000000000000000000000000000000	•	0.190 0.239 0.279
		119 18 18 18 18 18 18 18 18 18 18 18 18 18	SIL.															SP.VOL.	5016 3616 3616 3616 466	)	227•1 166•6 149•3
! !	ALUES	5W SD 13.2 R 35 WA 1	PHOS.													2	2	SIGMA-T	22.24.24.24.24.24.24.24.24.24.24.24.24.2	)	25.74 26.38 26.57
	OBSERVED VALUE:	ONG 124-1 3.6 WET	• YX0 .	6.04	5.99	40.04	•	•	ู (การ (การ (การ (การ (การ (การ (การ (การ	•	05	200	•	1.67			ב אורטואי	E(S)	900	•	0.0011
1	088	-54N LO DRY 13 SWL	SIGMA-T	21.65	21.68	21.68	า • น	23.60	24.71 24.91		<b>س</b> د	26.41	ល	26.61		1	2	SAL.	29.832 29.736 31.680		33,110 (33,760 (33,911)
	288-038	LAT 45- AMT 0 DIR	SAL.	28.832	28.869	28 863	•	Q,	32.028		32.680	33,799	33,902	33.930		0	<b>200-030</b>	£	000		011
	STATION	HR 13 12 CL 35 SEA	TEMP.	12.99	12.98	13.00	າ າ	41	9.66	)	Φ,	7.58	-	06•9		1	NO 1 - 4 - 0	TEMP. E	10.00 10.00 10.44 10.00	)	8.49 0 7.65 0
,	-,	6/16/61 5 BA 3 DIR	DEPTH .	00	Nω	90	201	40	400	ì	80	22	76	116				DEPTH	9000		50 75 160
		DATE SECDI WVEL 1	CAST				<b>-</b>			•	⊶.		-	-							
				Λ.	_	^	_														

		PROD-S											
		PROD-1	2.35	C	16.0	4	0 * •				E(0)	000	0000
		CHL-A P	0.28 0.34		0 0 0	Ċ	22•1				0XY•	66.08 66.03 5.37	4.16 2.86 2.08 80
	WEA 02	NITR. C								VALUES	GEOPOT.	0000 0000 0000 0000 0000 0000 0000 0000 0000	0 • 205 0 • 258 0 • 300
	5DG 146 RELHU 89 25	SIL. N								COMPUTED V	SP.VOL.	801 • 3 489 • 4 345 • 9	249•3 178•7 153•2
VALUES	4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	PHOS.		,						AND	SIGMA-T	22.98 22.98 24.06 24.49	25•51 26•25 26•53
OBSERVED VA	LONG 124-21 15.5 WET 1 1. 2 DIR 34	• YX0	6.08 6.06	6.07	6.43	6.35	6.33 5.94	00.00 00.00 00.00 0.00 0.00	2.12 1.76	INTERPOLATED	E(S) S	0.038 0.013 0.004	000 000 044
	-44N DRY 34 SI	SIGMA-T	19•73 19•78	21.05	23.56	23,96	24.15	24 83 26 20 26 46	26.57		SAL.	26.657 30.475 31.436 31.851	2.874 3.645 3.875
288-039	LAT 45 AMT 0 1 DIR	SAL.	26.657 26.735	28.340 30.236	31.000	31,350	31.529 31.703	32.161 33.056 33.592 33.825	33,903 33,939	288-039	E(T)	0000	0.00
STATION	HR 15 12 CL 35 SEA	TEMP.	14.32 14.32	14.14	11.71	10.99	10.69	9.56 7.96 7.38	7•08 6•87	STATION	TEMP.	14.32 12.67 10.83	8.80 7.85
	6/16/61 8 BA 10 DIR	DEPTH	OM	იი <u>-</u>	14		233	36 72 91	109		DEPTH	0000	100
	DATE SECDI WVEL 1	CAST				-		нннн					

		PROD-S	28.12	30 • 90	<b>.</b>	0.42								
STATION 288-040 OBSERVED VALUES		PROD-I	3.05	•	•	3.58						E(0)	0000	0 0 0 0 0 0 4 1 0
	HR 18 LAT 45-52N LONG 124-35W SDG 168 WEA 10 11 CL AMT 0 DRY 16.4 WET 15.0 RELHU 84 VIS 6 34 SEA 4 DIR 34 SWL 5 DIR 35 WA 23	CHL-A P	2.41	) ·	4	1 • 79						• XX0	6.27 6.54 6.54 5.41	ປ 4 ທ • • • • • • • • • • • • • • • • • • •
		NITR. C								VALUES	GEOPOT.	0.000 0.079 0.116 0.148	0.200 0.260 3.64	
		SIL.	<b>4</b> լ	<b>9</b> 20 0					COMPUTED V	SP.VOL.	1165.7 404.2 336.8 306.4	261.0 215.4 167.3		
		PH0S.	98	•	<b>Σ</b>	0.86					AND	I GMA-T	15.95 23.87 24.58 24.90	25 38 25 87 26 38
		oxy.	6.27	6.26	6.25	6.43	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ໝຽທໝ 40ທ <b>ຍ ໝ</b> ຄຸ		INTERPOLATED	E(S) S	427 006 006	•0018 •001	
		SIGMA-T	15.95	15.96	16.31	23.10	22 22 24 24 26 20 20 20 20 20 20 20 20 20 20 20 20 20	22222 2222 244 244 244 244 244 244 244	26.53 26.63 26.67		STATION 288-040 INTER	E(T) SAL. E	917 692 970 0.233	.690 .244 .762
		SAL.	21.917	21.922	22,375	30 839	31.668 31.903 32.043 32.166	32.470 32.768 33.219 33.631	33.877 33.938 33.956				21 0.05 31 0.01 32	400.00 000.00 000.00
		TEMP.	15.06	15.04	15.02	13.50	10.95 10.95 10.00 9.62	8.99 8.70 8.35 7.97	7 • 20 6 • 84 6 • 60			TEMP. E	15.06 12.91 10.18 9.46	8.72 8.33 7.63
	6/16/61 3 BA 12 DIR	DEPTH	0-	<b>→</b> (?)	וסיר	<b>-</b> 0	2238 283 283	37 75 92 92	110 129 147			DEPTH	3000	50 100
	COI FL 1	ST	1		_	-								

UA U A

		PROD-S											
		PROD-I	4.30	7	3.13	0.77					E(0)		0001
		CHL-A P	2 • 35	•		0.72					• AXO	0000 0000 0000 0000 0000	6.3 2.8 2.8 2.8 2.9 2.9
	WEA 03	NITR.	0.5	0.2			0000 •••• -4 Na	ສສ ສສ 90.00 4.00	33. 35. 33. 50. 50.	VALUES	GEOPOT.	0.000 0.103 0.166 0.199	0.259 0.323 0.375 0.458
	DG 263 RELHU 80 10	SIL.	46	<b>4</b>	44	34	96	11 28 41	4 8 8 8 8 8	COMPUTED	SP.VOL.	1169•7 889•0 355•9 315•9	279.6 234.0 184.8 144.5
LUES	42W S 15.6	PHOS.	0.41	0.40	0.43	09•0	0000	0 1 1 0 0 0 0 0 0 0 0 0	2.32	AND	SIGMA-T	15.91 18.82 24.38 24.80	25.19 25.67 26.19 26.62
OBSERVED VALUE	LONG 124- 17-8 WET /L 5 DIR	- VXO	6.42	6.43	6.42	6.24	6.18 6.57 6.63 6.53	204 E 200 E 200 E	2.32	INTERPOLATED	E(S) S		0.0047
OBSE	-44N DRY 35 SW	SIGMA-T	15.91	15.91	15.95	18.82	24.38 24.38 24.60 08.40	25.06 25.27 25.78 26.18	26.39 26.56 26.67		SAL.	11.970 15.229 12.013	2.557 3.593 3.946
288-041	LAT 45	SAL.	21.980	21 • 982	22.016	25,229	32.124 32.013 32.115 32.282	32.516 32.576 33.145 33.579	33.781 33.903 33.962	288-041	E(T)	<b>ଷ</b> ଷମ ମ	8 mmm
STATION	HR 21 11 CL 35 SEA	TEMP.	15.51	15.50	15.42	13,34	13.20 11.52 10.76	0 888 8 0 0 0 0 0 0 0 0 0 0 0 0	7.64 7.12 6.64	STATION	TEMP.	15.51 13.34 11.52 10.30	9.50 9.45 9.00 9.00
	6/16/61 3 BA 13 DIR	рЕРТН	0-	<b>-</b> ღ	40	0 <u>0</u>	3000 0000	9489 9999	118 138 177		ОЕРТН	9000	50 75 100 150
	DATE SECDI WVEL 1	CAST	-	7	-	-	, ,	нана	ннн				

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		PROD-S																			
		PROD-I	3.35		2.58	0.53															
	3 6 00	CHL-A	1.022		1 • 09	0.35															
	WEA O	NI TR.																			
	SDG 713 4 RELHU 90 BTMCODE 1	SIL																			
.UES	34	PHOS.																			
OBSERVED VALUES	124- WET DIR	oxx.	6.37	6.45	•	0 • 4 to	6.75	6.43	6.28	4.86	7 47	30	2.64	2•30	•	2.11	•	•	•	•	0 C
OBSERV	5-53N LONG 7 DRY 15•4 35 SWL 5	SIGMA-T	18.10	18.13		23.57	24.58	26.60	25.18	25.25 25.66	70	000	26.44	26.58	v	26.65	ø,	v	<b>~</b>	ο.	27.012
288-042	LAT 45-5 6 AMT 7 3 DIR 35	SAL.	24.840	24.871		31.280	32,262	34.463	32.543	32,566 33,050	i c	33,001	33.836	33,917	က	33,962	m.	4	34.074	34 • 150	34.221
STATION	HR 01	TEMP.	15.50	15.46		12.84	11,52	1	N	8.94 8.73	(	V	7.59	0	Œ	6.72	6	-	4	6	4.04 4.04
	6/17/61 6 BA 13 DIR	DEPTH		นเก	7	0 4	50	30	4	50 75	- (	00	150		σ	200	4	œ	0	ø	587
	DATE SECDI	ST		N		α	8	۸	N	<i>ด</i> ด		a c	νn	101	-	• (1)	-		-	-	٦.

	0XY• E(0)	6.37 6.48 6.75 6.43	0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00	2.11 2.09 1.56 0.02 1.07	0.58 0.00
ALUES	GEOPOT.	00000 00000 001000 00133	0.238 4 0.238 4 0.291 3	0.455 2 0.525 2 0.591 1	0.830
INTERPOLATED AND COMPUTED VALUES	SP.VOL.	958•2 433•3 337•6 144•9	274•2 235•6 189•4 162•1	141.7 135.3 129.7 120.9	107.7
ATED AND C	SIGMA-T	23.0 23.0 24.0 24.0 26.0 26.0 26.0	255 255 256 266 266 155 44	26.00 26.00 26.00 26.00 26.00	27.05
TERPOL!	E(S)			0.000	0.001
SIAIION 288-042 INTE	SAL.	32.084 32.084 34.463	32.566 33.050 33.581 33.881	33.962 33.990 34.002 34.062	34.163
	E(T)			000	0.01
STATIC	TEMP.	81 80 11 10 10 10 10 10 10 10 10 10 10 10 10	8.094 8.73 8.24 7.59	6.32 6.33 5.53 5.53	4 • 90
	FPTH	3000	750 150 150	0000	200

		PROD-S												
		PROD-I	2.11 2.23 1.69	(	0 0 0									
	၈ ့	CHL-A	1.81 1.73 1.15	•	0 • 0									
	WEA VIS	NI TR												
	SDG 1372 RELHU 83 40• 15	SIL.												
-UES	¥ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	PH0S.												
OBSERVED VALUES	125- WET DIR	• YXO	6.45	6.40	6.66 6.45	7.21	6.32	4.8 3.4 5.4	2,35	•	1.98	1	000	0.38
	45-44N LONG F 7 DRY 15.6 IR 35 SWL 5	SIGMA-T	15.07	15.16	24.08 24.43	24 • 86 25 • 86	25.15 25.36	25.86 26.23	26.55	26.65 26.65	26•75 26•78	26.89	27.13	27.38
	S AM	SAL.	20.970	21.032	32.114 32.332	32.472	32.549 32.725	33.266 33.660	33,904	33.966 33.968	34.001	34.069	34.227	34.408
STATION	HR 06	TEMP.	15•86	15.64	13•49 12•58	φ.	9.48 8.98	8.53 8.12	2	6.80	NO.	80	4 4 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.60
	6/17/61 3 BA 10 DIR	DEPTH	0∺4	ហ	100	389 399	448 73	97 122 241	Ó	193 197	m 0	(n) (n)	830 830	1018
	DATE SECDI WVEL	CAST	N	N	ุนน	ุนณ	พพ	พพก	101	2-			144	-

	E(0)	0 • 0 • 0 • 0	00000	0000	0000	•
	0XY•	64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0	0444 0444 044 044 044 044 044 044 044 0	2.23 1.81 1.39 0.92	0000 0000 0000 0000 0000	0.43
VALUES	GEOPOT . ANOMALY	0.000 0.082 0.119 0.152	0.211 0.278 0.337 0.431	0.507 0.575 0.639 0.760	0.873 0.980 1.081 1.176	1.347
COMPUTED	SP.VOL.	1251 • 2 384 • 1 346 • 7 308 • 0	282 • 3 259 • 7 212 • 0 162 • 3	140.3 131.8 125.9	110.2 104.3 98.0 91.3	6.62
AND	SIGMA-T	25.00 24.00 24.48 24.88	25.40 25.916 25.91 26.91	26.08 26.04 26.84 26.95	27.02 27.02 27.16 27.24	27.37
INTERPOLATED	E(S)	0.000	000000000000000000000000000000000000000	000 000 000 1000 000 1100	0000	•
	SAL	20.960 32.114 32.350 32.470	32.553 32.766 33.324 33.841	33.977 34.004 34.034 34.104	34.151 34.199 34.254 34.312	34.402
N 288-043	E(T)	0.02	0000	0000	0000	•
STATION	TEMP.	15.86 13.49 12.40 10.71	98887 4488 7688	6.69 6.14 5.31	0444 0744 0740	3.65
	DEPTH	3000	50 75 100 150	000 000 000 000	500 700 800	1000

		PROD-S	6.84												
		ď													
		PROD-I	0.61	0000	Ċ	0.58									
	8 <b>7</b>	CHL-A	0.33	•	ć	0.24									
	WEA 02	NITR.	0.5	0•0	0.0	0 • 0	00	6.8	16.8	21.7	28.4	•	004 004 40.4		4.4
	SDG 1500 RELHU 87 4 42• 40	SIL	18	13			٨	1000	22	20 80 80	4	51	8 8 9 8	104	128
UES	-	PHOS.	0.29	0.44	0.48	0.50	0.58	1.04	1.47	1.74	2.19	2.40	3.05	3.24	3.34
UBSERVED VALUES	G 125-07W 4 WET 13-1 DIR 35 W	• YX0	5.92	60•9	6.18	6.54	7.47	5.92	4.63	3.89	2.93	2.35	0.84	0.34	0.26
OBSEK	5-53N LONG 0 DRY 14.4 34 SWL 5	SIGMA-T	20.31	21.81	23.98	24.46	24.77	25.17	•	25.89		01	26.97	-	27.33
288-044	LAT 4 AMT 4 DIR	SAL.	27.692	209.62	32.104	32,304	32.467	32.643 32.697	33,141	33.430	33,778	33.942	34.091	34.258	34.372
STATION	HR 12 12 CL X 34 SEA	TEMP.	15.34	15.17	13.96	12•32	m 4	9	6	9.13	• 0	0.0	υ• 100	4	3.82
	6/17/61 7 BA 13 DIR	DEPTH	0	ŋ <b>₫</b>	ω.	086	200	57 77	96	115	153	230	4 100 100	707	926
	DATE SECDI WVEL	CAST	8	8	Ŋ	a	ณ	10	Ŋ	N)	NN	-		-	-4-

	E(0)	0 0 0 0 0 0 0 0 0	0000	0 0 0 0 0 0 0 0 0 0 0	0000	•
	0XY•	5.90 7.10 7.10 7.00	6.15 5.89 3.00	2001 000 000 000 000 000 000 000	00.80 00.91 0.35	0.29
ALUES	GEOPOT.	000000000000000000000000000000000000000	0.181 0.251 0.316 0.420	0.501 0.574 0.643 0.772	0 • 892 1 • 002 1 • 104 1 • 199	1 • 369
OMPOTED	SP.VOL. ANOMALY	745.1 359.2 328.3 305.5	285.6 276.2 241.3 173.7	150.6 142.5 134.1	114.44 1055.88 98.33 91.44	79•1
INTERPOLATED AND COMPUTED VALUES	SIGMA-T	24.631 24.631 24.67	25.23 25.23 25.60 26.32	26.57 26.55 26.75 26.86	26.98 27.07 27.16 27.24	27,38
IERPOLA	E(S)	0.179 0.000 0.008	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 •••0 14000	•
	SAL.	27.692 32.435 32.414 32.538	32.625 32.682 33.115 33.761	33.928 33.928 34.003 34.034	34.099 34.176 34.253 34.311	34.405
SIAIION 288-044	E(T)	000 000 000 040	0000 •••• 0000 0140	0000 •••• 0000 0140	0000	1
01410	TEMP.	2001 001 000 000 000 000 000 000 000 000	9.97 9.61 9.60 8.02	7 66 60 7 60 60	0444 0749 0440	3.60
	DEPTH	0000	100 150 150	0000 0000 0000	8 4 8 9 9 9 9 9 9 9 9	1000

		I PROD-S	0 **	o	•	m				•	ผต	C & MOS	*
		PROD-	1.00	4	•	1 • 18				E(0)	00	0000	1
		CHL-A	•21		0 <b>2</b> •	• 55				0XY•	6.13 5.89 6.28 7.11	6.19 6.00 9.00 9.00 9.00 9.00 9.00	(
	WEA 02	NITR. CH	00	c	3	0			VALUES	GEOPOT.	0.000 0.0045 0.086 0.120	0.179 0.250 0.315 0.425	į
	3DG 1646 RELHU 94 18	SIL·							COMPUTED \	SP.VOL.	452.9 438.8 372.7 309.2	287 • 3 275 • 8 249 • 8 188 • 1	
VALUES	13.9 35 WA	PH0S.							AND	SIGMA-T	23.33.34 24.51 24.831 24.88	25.23 25.23 25.51 26.17	,
<b>VED</b>	LONG 125-2 14.5 WET	• YX0	6 • 13 5 • 90	5.89 6.18	7.12	6.26 5.69 5.51	4 mm o	2.05	INTERPOLATED	E(S)	400	.003 .001 .008	
	-04N 34 SV	SIGMA-T	23•36 23•36	23.51	24.84	25.10 25.21 25.43	25.85 26.13 26.27 26.53	26.70		SAL.	1.635 2.265 2.514	2.622 0 2.719 0 3.632 0	
288-04	LAT 4 AMT DIR	SAL.	31 • 452 31 • 452	31.635 32.225	32.501	32.617 32.691 32.937	33.388 33.608 33.977	33,975	288-045	E(T)	00 00 00 00 00	0000	í
STATION	HR 15 11 CL X 34 SEA	TEMP.	14 • 54 14 • 54	14.49	11.06	10 • 11 9 • 78 9 • 62	9.17 8.51 8.15 7.76	6.53	STATION	TEMP. E	14.54 13.446 10.946	9.76 9.55 9.55 9.39	•
••	6/17/61 16 BA 0 DIR	DEPTH .	O (1)	00-	• 0	447 948 10 10 10	119 143 166 190	285	-,	DEPTH .	9000	50 100 150	
	Гой	F											

			STATION	TATION 288-046	OBSERVED VALUES	VED VAL	-UES					
,	DATE SECDI WVEL	6/17/61 10 BA 6 DIR		LAT 46 AMT 0 3 DIR	HR 17 LAT 46-09N LONG 125-09W 10 CL 0 AMT 0 DRY WET 35 SEA 3 DIR 35 SWL 4 DIR 35	G 125-( WET DIR	35 WA	SDG 1463 WEA 00 RELHU VIS	WEA O	0		
_	CAST	DEPTH	TEMP.	SAL.	EMP. SAL. SIGMA-T OXY. PHOS. SIL. NITR. CHL-A	• XX0	PHOS	SIL	NI TR	CHL-A	PROD-I	PROF
							0.0 0.74 0.88	400	000 000	0000 0000 00100 00100	0100 0000 4000 4014	V@010

4444

STATION 288-046 INTERPOLATED AND COMPUTED VALUES

NO INTERPOLATED AND COMPUTED VALUES

		PROD-S												
		PROD-1	1.14	0	1	<b>8</b> /•0	1.25				E(0)	0.02	0000	1 1
		CHL-A F	0.26	•	(	22.0	0.75				OXY.	6.00 0.00 0.00 0.00 0.00	2000 1000 1000 1000 1000	1 • 63 1 • 29
	WEA 02 VIS 7	NITR. C		1.7	1.6	0.0 0.0	9.4 29.0 29.0	38.0 38.0 36.7 36.0 36.0	18.2	VALUES	GEOPOT.	0.000 0.051 0.086 0.116	0.172 0.231 0.278 0.361	0.432
	SDG 1152 O RELHU89 BTMCODE 1 W	SIL. N	10	10	ເດ	41	300	4 เกเกล 6 ภณช 6 ค.ศ.ค	68 3	COMPUTED V	SP.VOL.	617•3 392•1 310•7 288•3	269 8 201 0 180 5 148 5	138.6 133.2
VALUES	40 35 5€	PH0S.	0.37	0.40	0.56	0.68	1 • 1 3 1 • 96 1 • 92	0000 0000 0000 0000 0000	2.60	AND	I GMA-T	21.64 24.00 25.09	25 26 26 26 26 58 58 58	26.69 26.76
OBSERVED VAL	LONG 124-1 16.1 WET	• XX0	6.05	6.08	6.47	7.03 6.56	6.13 9.89 8.89	2.49 2.16 1.96 1.67	1.23	INTERPOLATED	E(S) S	• 005	69000	
OBSE	6-26N LO 0 DRY 16 34 SWL	SIGMA-T	21.64	21.62	24.00	24 • 86 25 • 08	25.26 25.99 26.22	26.44 26.57 26.67 26.69	26.83	INTE	SAL.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.609 .629 .672 .915	978 - 016 -
288-047	LAT 46- AMT 0	SAL.	29.382	29,339	31.895	32.433 32.501	32.577 33.395 33.656	33.817 33.909 33.947 33.974	34.034	288-047	(T)	29 331 32 32 32	.00 .01 .01 .03 .03 .03	33
STATION	HR 13 0 CL 4 SEA	EMP.	5.16	5.10	3.06	9.68	8.89 8.30 8.14	7.50 7.10 6.58 6.58	5.87	STATION	EMP. E	5.16 3.06 0.68 9.57 0	8.89 8.29 7.02 0.02	6.57 = 6.32 =
V)	6/17/61 11 BA 1 8 DIR 3	DEPTH T	0	ល។	1001	-000 000	0447 943 8	122 147 171 196	293	U)	ОЕРТН Т	3000	50 100 150	200
	DATE SECDI WVEL	CAST			1		eee		-		_			

		PROD-S								
		PROD-1	2.07 5.09	4.24	1 • 66				E(0)	
		CHL-A F	4.24 3.44	1.13	1•19				0XY•	04 04 04 04 04 04
	WEA 10 VIS 7	NITR. CF	40)					ALUES	GEOPOT.	0.0000
	96	SIL. N						INTERPOLATED AND COMPUTED VALUES	SP.VOL.	427.8 345.8 251.5 188.5
ES	W SDG 4 3.1 RELHU WA 00	PHOS.						AND COM	SIGMA-T A	23.62 24.49 25.48 26.14
OBSERVED VALUES	124-13W WET 13-1 DIR 30 W	oxy.	6.51 6.08	5.60 4.94 4.41	2.00 2.00 2.00	2,06		OLATED	E(S) SIG	4404 4404
OBSERV	42N LONG DRY 13.9 8 SWL 2	SIGMA-T	23.62	23.96 24.49 24.93	25.48 25.84 26.14	26.26		INTERP	SAL. E(	31.072 31.8820 32.807 33.531
288-048	LAT 46-42N AMT 0 DRY 2 DIR 18 SI	SAL.	31.072	31,365 31,830 32,250	32.807 33.230 33.531	33.647		10N 288-048	E(T) S	3331
STATION	HR 04 CL 18 SEA	TEMP.	11.68	11.09 10.10 9.35	88 8.00 8.00 8.00	7.84		STATION	TEMP. E	111.66 10.10 8.65 8.00
-,	6/18/61 7 8A 6 DIR	DEPTH	om	900	3080 3080	32			DEPTH	3810
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		PR0D-S			
		PROD-I			
	ar-	CHL-A			
	WEA 02	NITR.	1.04 1.05 1.05 1.05	15.2 26.7 28.8	29.7
	SDG 39 W RELHU 89 A	SIL	32 30 30 30	66.44 04.48	46
-UES	16W SD 13.9 R 35 WA 1	PHOS.	0.62 0.97 1.36	1.04.0 0.00.0 0.00.0 0.00.0	2.40
OBSERVED VALUES	LONG 124-16W 15.0 WET 13.9 L 2 DIR 35 WA	• \x0	77 44 100 100 100	24 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2.89
OBSER	3	SIGMA-T	23.22 23.21 23.62 24.65 24.24	24.28 24.56 25.77 26.07	26.13
STATION 288-049	X AMT 0 DRY	SAL.	30.906 30.913 31.273 31.783	31.734 31.865 33.130 33.429	33,490
STATION	HR 07 11 CL ) 18 SEA	TEMP.	13.22 13.21 12.40 11.31	10.86 9.82 8.36 7.95	7.88
	6/18/61 BA 9 DIR	DEPTH	00.00	3200 3000 3000	34
	DATE SECDI WVEL	CAST	ддда	аппа	1

STATIO	STATION 288-049		TERPOLA	INTERPOLATED AND COMPUTED VALUES	OMPUTED \	VALUES		
TEMP. E	E(T)	SAL.	E(S)	E(S) SIGMA-T	ANOMALY	ANOMAL Y	0XY•	E(0)
13.22		30.906		23.21	467.6	00000	7.41	
31		31,783		24.24	369.1		ກ. 4ຫ	
82		31 • 865		24.56	339•0		4.80	
S		33.429		76.07	195.4		0	

	PROD-S								PROD-S	62.86
	PROD-I				Y• E(0)	77 330 56 0.06 04			PR0D-1	7.12
ភព ០	CHL-A			Ŋ	OCT. OXY.	100 7-77 141 5-30 171 3-66 192 2-04		10	CHL-A	
WEA VIS	Z I Z	0000	0846 0846 8008	) VALUES	GEOPOT.	000000000000000000000000000000000000000		WEA VIS		
SDG 43 RELHU 95 115	SIL.	100	0.4 kg 0.00 kg 0.00 kg	COMPUTED	SP.VOL.	452.7 351.0 256.9 163.0		SDG RELHU		
124-21W S WET 12.8 DIR 17 WA	PH0S.	000- •••• 004-0	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		SIGMA-T	2888 8488 8449 8448 8448	VALUES	124-36W WET WA		
LONG 124- 13.3 WE'	T OXY.	7.77 7.78 7.63 5.30	4 W W W W W W W W W W W W W W W W W W W	INTERPOLATED AND	E(S)	000	OBSERVED V	9 O O		
-10N DRY 17 SW	SIGMA-T	00000000000000000000000000000000000000	24.71 25.32 26.37 26.37		SAL.	31.093 31.837 32.693 33.782		-20N DRY SW		
LA AM	SAL.	31.093 31.104 31.119 31.837	32.058 32.579 33.737 33.732	050-882 7	E(T)	01	• •	2 LAT 47 A AMT A DIR		
14 CL 17 SEA	TEMP.	13.16 13.12 10.63	9 8 8 3 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	STATION	TEMP.	13. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	STATION	HR SE		
6/18/6 BA 10 DIR	DEPTH	00.00	1000 4004		DEPTH	0000		6/18/61 BA DIR	DEPTH	0
DATE SECDI WVEL	CAST	ден	маня					DATE SECDI WVEL		_

OBSERVED VALUES

STATION 288-050

		PROD-S											•
		PROD-1	7.25	•	0	• 0	) •				E(0)	0.04	0.17
		CHL-A P	25-22	•		80					0×ו	6.76 6.72 5.68 5.56	3.71
	WEA 03 VIS 5 A 11	NITR. CF	1.2 2	9•0	0.8	1.3	, , , , , , ,	4 ជំពី លិចល		VALUES	GEOPOT. ANOMALY	0.000 0.050 0.091 0.122	0.174
	06 80 3	SIL. N	24	25	24	23	20 11	9000 9000		COMPUTED V	SP.VOL.	499.5 492.8 327.0 291.6	232.6
	13.6 RELHU T BTMCODE 1	PHOS.	0.57	09•0	0.57	0.62 0.98	1.22 1.38 1.19	1.64 1.88 2.22		AND COM	S IGMA-T A	22.87 22.95 24.68 5.06	5.68
	G 124-51W 4 WET 13• DIR 14	• XX0	92.9	6.74	6.72	6.72 6.68	5.68 5.69 4.18	3.61 2.26 2.52		INTERPOLATED	(S) SI(	2005	028 2 015 2
	47-36N LONG 17 9 DRY 14.4 31R SWL 2	SIGMA-T	22.87	22.87	22.88	22.95 23.92	24.68 25.03 25.33	25.93 26.14 26.50		INTER	آ- 6	.642 .679 .014 .361 0.	989 0. 487 0.
1	LAT 47-3 AMT 9 DIR	SAL. S	30.642	30.634	30.643	30.679 31.467	32.014 32.334 32.596	3.284 3.521 3.845		288051	.) SA	0000	14 32. 12 33.
	HR 15 L CL SEA	•	88	87	87	66	76 18 55	14 94 23 3		AT10N 28	MP. E(T	88 66 76 11 0•00	24 0.04 99 0.02
	8/61 H BA 15 DIR 14	TH TEMP	13.	3 13•	6 13•	13.	<b>8</b> 0 0	99 78		STA	±	0000	5 7.
	TE 6/11 CDI 6 EL 9	ST DEP	1	1	<b>~</b> ■		mun.	070			DEPTI	- ผู้ผู้ตั	750
	SEV	CA	0 -		_		1						

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**Q 4** 

OBSERVED VALUES

STATION 288-051

		PROD-S	74.42 74.16 25.08 1.58
		PROD-I	9.36 8.39 1.06 8.46 8.46
	0	PHOS. SIL. NITR. CHL-A	2.13 3.89 0.89
	WEA 10 VIS	NITR.	150 100 150 150 150
-UES	SDG BO RELHU	SIL.	44 04 - 0
	-	PHOS.	1.70 1.70 1.56
VED VAL	G 124-5 WET DIR	• YX0	
STATION 288-052 OBSERVED VALUES	19 LAT 48-10N LONG 124-56W AMT DRY WET WET SWL DIR	SAL. SIGMA-T OXY.	
	LAT 48- AMT DIR 1	SAL.	
	77.00	TEMP.	
	DATE 6/18/61 HR SECDI BA 18 (	CAST DEPTH TEMP.	0414
	DATE 6. SECDI WVEL 17	CAST	-

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INTERPOLATED AND COMPUTED VALUES STATION 288-052

NO INTERPOLATED AND COMPUTED VALUES

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